

Polyolefin

PVC

Specialty

Extruded Tubing

HEAT SHRINK AND TUBING

PVC, Polyolefin, and Specialty Heat Shrink and Non-Shrink Tubing



TABLE OF CONTENTS

Polyolefin Heat Shrink	3
HS-101 // Polyolefin Heat Shrink.....	4
HS-101-SR // Semi-Rigid Polyolefin Heat Shrink.....	6
HS-101-3X // Polyolefin Heat Shrink (3:1).....	8
HS-101-MW-2:1 // Multi-Wall Polyolefin Heat Shrink (2:1)	10
HS-101-MW // Multi-Wall Polyolefin Heat Shrink (2.5:1)	12
HS-101-MW-3:1 // Multi-Wall Polyolefin Heat Shrink (3:1)	14
HS-614 // Food Grade Acrylated Olefin Tubing	16
HS-714 // Medical Grade Acrylated Olefin Tubing.....	18
PVC Heat Shrink	20
HS-105 // PVC Heat Shrink	21
HS-105 x .032 // Heavy Wall PVC Heat Shrink.....	23
HS-205 // Cross-Linked PVC Heat Shrink	25
VAT-105 // Multi-Wall PVC Heat Shrink	27
VAT-205 // Multi-Wall Cross-Linked PVC Heat Shrink	29
Specialty Heat Shrink	31
HSK-600 // PVDF Heat Shrink.....	32
HSN-100 // Chlorinated Polyolefin Elastomer Heat Shrink.....	34
HS-VTN // Fluoroelastomer Heat Shrink	37
Extruded Tubing	38
Insultab 4900 // Flexible PVC Tubing	39
Insultab 4900 x .032 // Heavy-Wall, Flexible PVC Tubing.....	41
Insultab 714 // Medical Grade Acrylated Olefin Tubing	43



Polyolefin HS

Polyolefin heat shrink tubing is the industry standard for reliable insulation, protection, and sealing across a wide range of electrical and industrial applications. Pexco's polyolefin heat shrink portfolio is engineered to deliver consistent performance in demanding environments, offering options for flexibility, rigidity, high shrink ratios, and adhesive-lined sealing. This family includes flexible, semi-rigid, high-ratio, and multi-wall constructions to support diverse installation and protection requirements.

Designed for wire harnessing, terminal insulation, cable bundling, splicing, and environmental sealing, Pexco polyolefin heat shrink tubing is widely used in automotive, aerospace, electrical, electronics, telecommunications, and general industrial markets. With low recovery temperatures, broad operating temperature ranges, flame-retardant formulations, and compliance with key industry specifications, these products provide distributors with a versatile, high-demand solution set to support a wide range of customer applications and inventory strategies.



- Low recovery temperatures
- Broad operating temperature ranges
- Flame-retardant formulations
- Compliant with Mil. specifications where applicable

HS-101

Polyolefin Heat Shrinkable Tubing



Uses and Features

Ideal for insulation and strain relief of wire splices, terminals and connections

Superior performance for bundling and organizing wire harnesses

Color coding for easy identification of wire, cables, terminals and components

Can be printed

Highly flexible

Highly flame retardant when supplied in colors

Free of PFAS, polybrominated biphenyls and polybrominated biphenyl oxides and ethers

Technical Data

Shrink ratio: 2:1

Recommended Shrink Temperature: 90°C–110°C

Operating Temperature Range: -55°C to 135°C

Longitudinal Change: +/- 5%

Shelf Life: 5 years

Recommend Storage: < 27°C

Standard Colors: Clear, Black, White, Red, Yellow, green, Blue

Standard Packaging: Spooled

Certifications

UL 224 VW-1, 125° C, 600 V

CSA, 125° C, 600 V

SAE AS23053/5 Class 1 & 3 (Colors)

SAE AS23053/5 Class 2 (Clear)

Polyolefin Heat Shrinkable Tubing



Summary of Properties

Category	Property	Units	Value
Mechanical	Specific Gravity (max)	g/cc	1.35
	Tensile Strength	psi	1500 (min)
	Ultimate Elongation	%	200
	Water Absorption	%	0.1 (max)
Electrical	Volume Resistivity	ohn-cm	10 x 10 ¹⁴
	Dielectric Strength	v/mil	900
Thermal	Flamability (colors only)	N/A	VW-1
	Heat Aging (Elongation after 7 days @ 175°C)	%	400
	Heat Shock (4hs @ 250°C)	N/A	Pass

Size	Minimum Expanded I.D.		Maximum Recovered I.D.		Recovered Wall Nominal		Standard Packaging (per box) Product on Spools		
	in.	mm	in.	mm	in.	mm	ft. / Spool	Total ft. / Box	4 Foot Lengths
3/64	.046	1.17	.023	0.58	.016	0.41	1,000'	3,000'	1,000'
1/16	.063	1.60	.031	0.79	.017	0.43	1,000'	3,000'	1,000'
3/32	.093	2.36	.046	1.17	.020	0.51	500'	1,500'	1,000'
1/8	.125	3.18	.062	1.57	.020	0.51	500'	1,500'	1,000'
3/16	.187	4.75	.093	2.36	.020	0.51	250'	750'	1,000'
1/4	.250	6.35	.125	3.18	.025	0.64	200'	600'	800'
3/8	.375	9.53	.187	4.75	.025	0.64	200'	600'	500'
1/2	.500	12.70	.250	6.35	.025	0.64	200'	600'	400'
3/4	.750	19.05	.375	9.53	.025	0.76	200'	600'	200'
1	1.000	25.40	.500	12.70	.030	0.89	100'	300'	96'
1 1/4	1.250	31.75	.625	15.87	.035	1.02	100'	300'	96'
1 1/2	1.500	38.10	.750	19.05	.040	1.02	100'	200'	96'
2	2.000	50.80	1.000	25.40	.045	1.14	100'	200'	96'
3	3.000	76.20	1.500	38.10	.050	1.27	50'	50'	48'
4	4.000	101.60	2.000	50.80	.055	1.40	50'	50'	48'

*Pressurized Spools

All information presented is believed to be reliable and is offered only as a guide to product selection. As each application is unique, Insultab can make no warranties as to the suitability of any products for a particular use. Specifications are subject to change.

HS-101-SR

Semi-Rigid Polyolefin Heat Shrink



Uses & Features

Ideal for insulation and splicing of wire harnesses and terminals

Added rigidity provides strain relief in wire harness applications

Provides improved abrasion resistance over standard Polyolefin Heat Shrink

Added rigidity eases installation over stiff substrates

Strong resistance to moisture and common chemicals

Halogen free

Lead free and RoHS compliant

Standard sizes available

Custom colors quoted on request

Technical Data

Shrink ratio: 2:1

Recommended Shrink Temperature: 110°C - 135°C

Operating Temperature: -55°C - 135°C

Longitudinal Change: +/- 5%

Shelf Life: 5 Years

Recommended Storage: 10 - 27°C

Standard Colors: Black

Standard Packaging: Spooled

Certifications

UL 224 VW-1, 125° C, 600 V

Semi-Rigid Polyolefin Heat Shrink



Summary of Properties

Category	Property	Units	Value
Mechanical	Specific Gravity	g/cc	1.35
	Tensile Strength	psi	1800
	Ultimate Elongation	%	200
Electrical	Volume Resistivity	Ω -cm	3.7×10^{14}
	Dielectric Strength	V	19kV
Thermal	Flammability	n/a	VW-1
	Cold Bend	n/a	Pass

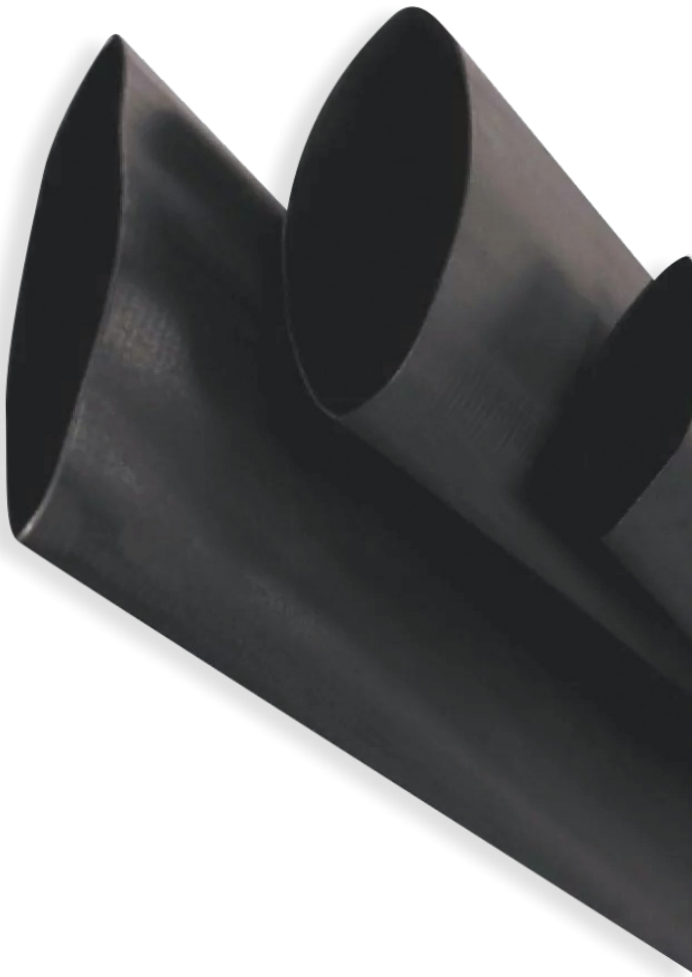
Standard Sizes

Size	Expanded I.D. Minimum		Recovered I.D. Maximum		Recovered Wall Nominal		Standard Packaging (per box) Product on Spools	
	in.	mm	in.	mm	in.	mm	ft. / Spool	Total ft. / Box
3/32	.093	2.36	.046	1.17	.020	0.51	500'	1,500'
1/8	.125	3.18	.062	1.57	.020	0.51	500'	1,500'
3/16	.187	4.75	.093	2.36	.020	0.51	250'	750'
1/4	.250	6.35	.125	3.18	.025	0.64	200'	600'
3/8	.375	9.53	.187	4.75	.025	0.64	200'	600'
1/2	.500	12.70	.250	6.35	.025	0.64	200'	600'
3/4	.750	19.05	.375	9.53	.030	0.76	200'	600'
1	1.000	25.40	.500	12.70	.035	0.89	100'	300'

All information presented is believed to be reliable and is offered only as a guide to product selection. As each application is unique, PEXCO can make no warranties as to the suitability of any products for a particular use. Specifications are subject to change.

HS-101-3X

Polyolefin Heat Shrinkable Tubing



Uses and Features

- Same proven performance of HS-101 with a higher shrink ratio
- Designed to insulate over-sized components in-line with wiring
- Excellent for coving irregular shaped substrates
- Ideal for insulation and strain relief of wire splices, terminals and connectors
- Excellent for surface printing
- Very flexible

Technical Data

- Shrink ratio: 3:1
- Recommended Shrink Temperature: 90°C
- Operating Temperature Range: -55°C to 135°C
- Longitudinal Change: +0 / -15%
- Shelf Life: 5 Years
- Recommend Storage: <27°C
- Standard Colors: Black
- Standard Packaging: 4' Lengths, Spooled

Certifications

UL 224 VW-1, 125°C, 600V

Summary of Properties

Category	Property	Units	Value
Mechanical	Specific Gravity	g/cm ²	1.29
	Tensile Strength	psi	1754
	Ultimate Elongation	%	440
Electrical	Volume Resistivity	ohm-cm	1015
	Dielectric Strength	vpm	700
Thermal	Flammability	N/A	VW-1
	Heat Aging (Elongation - 7 days @158°C)	%	450
	Heat Shock (4hrs @ 250°C)	N/A	Pass
	Low-Temp Flexibility (4hrs @ -55°C)	N/A	Pass

Size	Minimum Expanded I.D.		Maximum Recovered I.D.		Recovered Wall Nominal		Standard Packaging (per box) Product on Spools	
	in.	mm	in.	mm	in.	mm	ft. / Spool	Total ft. / Box
1/16	0.59	1.50	.020	0.50	.018	0.45	1,000'	3,000'
1/8	.118	3.00	.039	1.00	.022	0.55	500'	1,500'
1/4	.236	6.00	.079	2.00	.026	0.65	200'	600'
3/8	.354	9.00	.118	3.00	.030	0.75	200'	600'
1/2	.472	12.00	.157	4.00	.030	0.75	200'	600'
3/4	.709	18.00	.236	6.00	.030	0.75	200'	600'
1	.954	24.00	.315	8.00	.039	100	100'	300'
1 1/2	1.535	39.00	.512	13.00	.045	1.15	100'	200'

All information presented is believed to be reliable and is offered only as a guide to product selection. As each application is unique, Insultab can make no warranties as to the suitability of any products for a particular use. Specifications are subject to change.

HS-101-MW-2:1

Multi-Wall Polyolefin Heat Shrinkable Tubing



Uses and Features

Thin wall heat shrinkable tubing with a thin, adhesive thermoplastic liner

Provides a permanent, flexible, waterproof seal to protect against fluids, moisture and corrosion

Ideal for wire splicing and encapsulation of sensors and connectors and terminals in marine environments

Bonds to a wide variety of plastics, rubbers and metals

Technical Data

Shrink ratio: 2:1

Recommended Shrink Temperature: 121°C

Operating Temperature Range: -55°C to 110°C

Longitudinal Change: +1 / -5%

Shelf Life: 3 years

Recommend Storage: <27°C

Standard Colors: Black

Standard Packaging: Spooled, 4' lengths

Certifications

UL 224 125°C, 600 V

SAE AS23053/4 Class 2

Multi-Wall Polyolefin Heat Shrinkable Tubing



Summary of Properties

Category	Property	Units	Value
Mechanical	Specific Gravity	g/cc	1.3
	Tensile Strength	psi	1500
	Min. Ultimate Elongation	%	200
	Secant Modulus (max)	psi	2.4 X 10 ⁴
	Water Absorption (max)	%	0.5
Electrical	Volume Resistivity	ohn-cm	1 x 10 ¹⁴
	Dielectric Strength (min)	v/mil	500
	Heat Shock* (4hs @ 250°C)	N/A	Pass
	Low Temp. Flexibility (4hrs @ -55°C)	N/A	Pass

* Outer jacket only

Adhesive Peel Strength		
Substance	UOM	Typical Value
Polyethylene	pli	30
PVC	pli	10
Lead	pli	15
Aluminum	pli	40

Size	Minimum Expanded I.D.		Maximum Recovered I.D.		Total Recovered Wall Thickness Nominal		Meltable Recovered Wall Thickness Nominal		Standard Packaging (per box) Product on Spools		4-Ft Lengths
	in.	mm	in.	mm	in.	mm	in.	mm	ft. / Coil or Spool	Total ft./Box	
1/8	.125	3.18	.063	1.60	.027	0.68	.004	0.10	500'	1,500'	1,000'
3/16	.187	4.75	.093	2.36	.027	0.68	.004	0.10	250'	750'	1,000'
1/4	.250	6.35	.125	3.18	.030	0.76	.005	0.13	200'	600'	800'
3/8	.375	9.53	.187	4.75	.031	0.79	.005	0.13	200'	600'	500'
1/2	.500	12.70	.250	6.35	.032	0.81	.006	0.15	200'	600'	300'
3/4	.750	19.05	.375	9.53	.037	0.94	.006	0.15	200'	600'	180'
1	1.000	25.40	.500	12.70	.046	1.17	.008	0.20	100'	300'	96'
1 1/2	1.500	38.10	.750	19.05	.049	1.24	.008	0.20	N/A	N/A	96'
2	2.000	50.80	1.000	26.40	.060	1.52	.015	.038	N/A	N/A	96'

All information presented is believed to be reliable and is offered only as a guide to product selection. As each application is unique, Insultab can make no warranties as to the suitability of any products for a particular use. Specifications are subject to change.

HS-101-MW

Multi-Wall Polyolefin Heat Shrinkable Tubing



Uses and Features

Heat shrinkable tubing with a thin, adhesive thermoplastic liner

Provides a permanent, flexible, waterproof seal to protect against fluids, moisture, and corrosion

Ideal for wire splicing and encapsulation of sensors and connectors and terminals in marine environments

Bonds to a wide variety of plastics, rubbers, and metals

Technical Data

Shrink ratio: 2.5:1

Recommended Shrink Temperature: 135°C

Operating Temperature Range: -55°C to 110°C

Longitudinal Change: +1 / -10%

Shelf Life: 3 years

Recommend Storage: <27° C

Standard Colors: Black

Standard Packaging: 4' lengths

Certifications

UL 224, 125°C, 600 V

SAE AS23053/4 Class 1

Multi-Wall Polyolefin Heat Shrinkable Tubing



Summary of Properties

Category	Property	Units	Value
Mechanical	Specific Gravity	g/cm ²	1.0
	Tensile Strength (min)	psi	1500
	Ultimate Elongation (min)	%	200
	Water Absorption (max)	%	0.5
Electrical	Volume Resistivity	ohm-cm	1 x 10 ¹⁵
	Dielectric Strength (min)	v/mil	500
Thermal	Heat Shock* (4hs @ 250°C)	N/A	Pass
	Low Temp. Flexibility (4hrs @ -55°C)	N/A	Pass

Adhesive Peel Strength		
Substance	UOM	Typical Value
Polyethylene	pli	30
PVC	pli	10
Lead	pli	15
Aluminum	pli	40

Size	Minimum Expanded I.D.		Maximum Recovered I.D.		Total Recovered Wall Thickness Nominal		Meltable Recovered Wall Thickness Nominal		Standard Packaging (per box) 4-Ft Lengths
	in.	mm	in.	mm	in.	mm	in.	mm	Box Contents
1/8	.125	3.18	.023	0.58	.038	0.97	.020	0.51	200'
3/16	.187	4.75	.060	1.52	.043	1.09	.025	0.64	200'
1/4	.250	6.35	.080	2.03	.047	1.19	.027	0.69	100'
3/8	.375	9.53	.130	3.42	.050	1.27	.030	0.76	100'
1/2	.500	12.70	.196	4.95	.055	1.40	.035	0.89	100'
3/4	.750	19.05	.313	7.95	.065	1.65	.040	1.02	60'
1	1.000	25.40	.400	10.16	.075	1.91	.040	1.02	48'

All information presented is believed to be reliable and is offered only as a guide to product selection. As each application is unique, Insultab can make no warranties as to the suitability of any products for a particular use. Specifications are subject to change.

 **HEAT SHRINK**

HS-101-MW-3:1

Multi-Wall Polyolefin Heat Shrinkable Tubing



Uses and Features

- Heat shrinkable tubing with a thin, adhesive thermoplastic liner
- Higher shrink ratio allows for a broader range of applications
- Provides a permanent, flexible, waterproof seal to protect against fluids, moisture and corrosion
- Ideal for wire splicing and encapsulation of sensors, connectors and terminals in marine environments
- Bonds to a wide variety of plastics, rubbers and metals

Technical Data

- Shrink ratio: 3:1
- Recommended Shrink Temperature: 110°C
- Operating Temperature Range: -55°C to 125°C
- Longitudinal Change: +5 / -15%
- Shelf Life: 3 Years
- Recommend Storage: <27°C
- Standard Colors: Black
- Standard Packaging: Spooled and 4' lengths

Certifications

- UL 224, 125° C, 600 V
- SAE AS23053/4 Class 3

Multi-Wall Polyolefin Heat Shrinkable Tubing



Summary of Properties

Category	Property	Units	Value
Mechanical	Specific Gravity	g/cm ³	1.0
	Tensile Strength	psi	2080
	Ultimate Elongation	%	400
	Water Absorption	%	.49
Electrical	Volume Resistivity	ohm-cm	2.11 x 10 ¹⁵
	Dielectric Strength	vpm	900
Thermal	Cold Impact (-55°C x 3min)	N/A	Pass

Adhesive Peel Strength		
Substance	UOM	Typical Value
Polyethylene	pli	30
PVC	pli	10
Lead	pli	15
Aluminum	pli	40

Size	Minimum Expanded I.D.		Maximum Recovered I.D.		Recovered Wall Nominal		Recovered Melt Wall Nominal		Standard Packaging (per box)
	in.	mm	in.	mm	in.	mm	in.	mm	4-Foot Lengths
1/8	.125	3.18	.023	0.58	.038	0.97	.020	0.51	200'
3/16	.187	4.75	.060	1.52	.043	1.09	.025	0.64	200'
1/4	.250	6.35	.080	2.03	.047	1.19	.027	0.69	100'
3/8	.375	9.53	.130	3.42	.050	1.27	.030	0.76	100'
1/2	.500	12.70	.196	4.95	.055	1.40	.035	0.89	100'
3/4	.750	19.05	.313	7.95	.065	1.65	.040	1.02	60'
1	1.000	25.40	.400	10.16	.075	1.91	.040	1.02	48'

All information presented is believed to be reliable and is offered only as a guide to product selection. As each application is unique, Insultab can make no warranties as to the suitability of any products for a particular use. Specifications are subject to change.

HS-614

Proprietary, Food Grade Acrylated Olefin — Heat Shrinkable Tubing



Uses and Features

Designed for use in applications involving food contact

Ideal for applications requiring non-toxic materials

Resistant to most common chemicals and oils

Resistant to sunlight, moisture and fungus

Technical Data

Shrink ratio: 2:1

Recommended Shrink Temperature: 121°C

Operating Temperature Range: -55°C to 121°C

Longitudinal Change: + / -5%

Shelf Life: 3 Years

Recommend Storage: <27°C

Standard Colors: Clear, Black, Blue, White

Standard Packaging: Spooled, 4' lengths

Certifications

USFDA Reg. C.F.R. 177.1330



Summary of Properties

Category	Property	Units	Value
Mechanical	Specific Gravity	g/cc	0.930
	Tensile Strength	psi	2500
	Min. Ultimate Elongation	%	500
	Water Absorption	%	0.5
	Heavy Metals	ppm	1 (max)
Electrical	Dielectric Strength	v/mil	1800

Size	Minimum Expanded I.D.		Maximum Recovered I.D.		Recovered Wall Nominal		Standard Packaging (per box) Product on Spools	
	in.	mm	in.	mm	in.	mm	ft. / Spool	Total ft./Box
3/32	.093	2.36	.046	1.17	.020	0.51	1,000'	2,000'
1/8	.125	3.18	.062	1.58	.020	0.51	1,000'	2,000'
3/16	.187	4.75	.093	2.36	.020	0.51	1,000'	2,000'
1/4	.250	6.35	.125	3.18	.025	0.64	500'	1,000'
3/8	.375	9.53	.187	4.75	.025	0.64	200'	600'
1/2	.500	12.70	.250	6.35	.025	0.64	200'	600'

All information presented is believed to be reliable and is offered only as a guide to product selection. As each application is unique, Insultab can make no warranties as to the suitability of any products for a particular use. Specifications are subject to change.

HS-714

Medical Grade, Cross-linked Acrylated Olefin Heat Shrinkable Tubing



Uses and Features

Manufactured using a proprietary, USP Class VI certified resin with no additives or fillers

Offers a bio-compatible jacketing for temporary implantation devices, Ideal for insulating electro-surgical instruments

Offers unique adhesion properties to metals, glass, and select plastics without the use of adhesive

Displays superior cut-through, puncture, and abrasion resistance

Provides excellent resistance to a wide range of chemicals including Saline, Povidone-iodine (Betadine), Benzalkonium (Zephiran), and Alcohol

Can be printed with USP Class VI inks

Comes with complete lot traceability

Alcohol wiped and double-bagged in a clean room environment

Technical Data

Shrink ratio: 2:1

Recommended Shrink Temperature: 121°C

Operating Temperature Range: -20°C to 121°C

Longitudinal Change: +/-5%

Shelf Life: 3 years

Recommend Storage: <27° C

Standard Colors: Clear, White, Black, Blue

Standard Packaging: Spooled

Certifications

USP Class VI

ISO-10993-5

USFDA Reg C.F.R 177.1330

RoHS Compliant

USP Class VI and ISO 10993-5 Cytotoxicity documentation provided as post process certification when requested

Medical Grade, Cross-linked Acrylated Olefin Heat Shrinkable Tubing



Summary of Properties

Category	Property	Units	Value
Mechanical	Specific Gravity	g/cm ²	0.934
	Tensile Strength (min)	psi	3200
	Ultimate Elongation (min)	%	500
	Durometer	Shore D	53
Electrical	Dielectric Strength	v/mil	1800
	Flammability	N/A	VW-1

Compatible with the following sterilization methods	
E-beam and Gamma	Steris Process – Peracetic Acid
Autoclave	Hydrogen Peroxide Gas
EtO	Glutaraldehyde

Autoclave Cycle Test:

20 cycles @ 121°C 15 psig for 15 min. with fast dry cycle, followed by test for:

Property	Test Method	Typical Value
Volume Resistivity @ 500 volts	ASTM D 257	No change from original
Dielectric Strength in air @ 500 kv/min rise	ASTM D 149	No change from original
Dielectric Constant @ 1 MHz	ASTM D 150	No change from original
Dissipation Factor @ 1 MHz	ASTM D 150	No change from original

Notice to User: It is imperative that manufacturers and end-users understand that the electro-surgical instruments should be placed separately, without overlay, on autoclave trays. Potential damage caused by overlay in the autoclave will significantly reduce this and any other dielectric insulator's ability to pass the 20 cycles of autoclave required by the AAMI.

All statements and recommendations are based on technical data that PEXCO believes to be true and reliable. It is the responsibility of the user to determine functionality and suitability. If you have any questions on the use or handling of this product, please contact us at 844-352-5777.

Standard Dimensions

Size	Expanded I.D. Minimum		Recovered I.D. Maximum		Recovered Wall Nominal		Standard Packaging (per Box) Product is Supplied in Coils or on Plastic Spools	
	in.	mm	in.	mm	in.	mm	ft. / Coil or Spool	Total ft./Box
3/32	.093	2.36	.046	1.17	.020	0.51	1,000'	2,000'
1/8	.125	3.18	.062	1.58	.020	0.51	1,000'	2,000'
3/16	.187	4.75	.093	2.36	.020	0.51	1,000'	2,000'
1/4	.250	6.35	.125	3.18	.025	0.64	500'	1,000'
3/8	.375	9.53	.187	4.75	.025	0.64	200'	600'
1/2	.500	12.70	.250	6.35	.025	0.64	200'	600'

Custom sizes available upon request.

All information presented is believed to be reliable and is offered only as a guide to product selection. As each application is unique, Insultab can make no warranties as to the suitability of any products for a particular use. Specifications are subject to change.



PVC Heat Shrink

PVC heat shrink tubing offers a versatile, cost-effective solution for insulation, protection, and identification across a wide range of electrical and industrial applications. Pexco's PVC heat shrink portfolio includes standard, heavy wall, cross-linked, and adhesive-lined multi-wall constructions, providing options for enhanced durability, environmental sealing, and mechanical protection. Engineered for consistent performance, these products feature low shrink temperatures, reliable flexibility, and strong resistance to UV exposure, chemicals, and moisture.

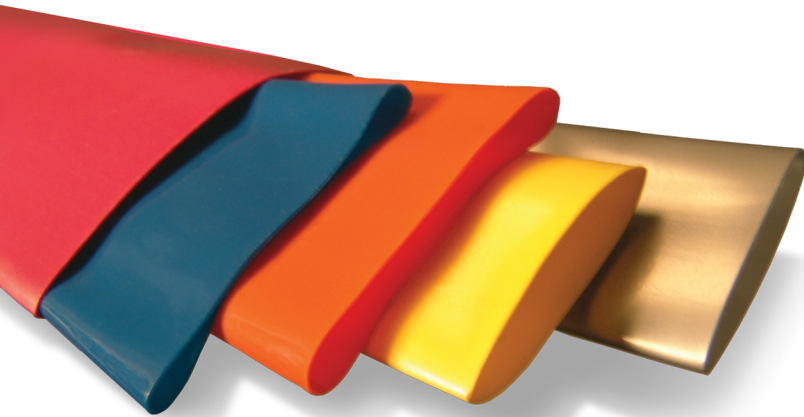
Designed for wire harnessing, cable bundling, terminal insulation, and strain relief, Pexco's PVC heat shrink tubing is widely used in automotive, electrical, industrial, and general-purpose applications. With proven performance in moderate temperature environments and compliance with key industry standards, this product family offers a dependable, value-driven solution to meet a broad range of customer requirements.



- Low shrink temperatures
- Reliable flexibility
- Strong resistance to UV exposure, chemicals, and moisture

HS-105

PVC Heat Shrinkable Tubing



Uses and Features

Ideal for applications requiring smooth, tight fitting, aesthetic coverings

Provides long lasting protection – indoors and outdoors – from UV light, moisture, dirt, abrasion, and most common chemicals and cleaners

Ability to cover sharp corners and irregular shapes without wrinkling

Offered in a variety of vibrant colors that will not fade

Also available in "crystal clear" to offer see-through protection that will not become yellow or cloudy over time

Highly flame retardant

Technical Data

Shrink ratio: 2:1

Recommended Shrink Temperature: 100°C

Operating Temperature Range: -20°C to 105°C

Longitudinal Change: +/-15%

Shelf Life: 1 year

Recommend Storage: <21° C

Standard Colors: Clear, White, Black, Orange, Blue, Red, Green, Yellow

Standard Packaging: Spooled

Certifications

UL 224 VW-1, 125° C, 600 V

CSA OFT rated for 600 V

ASTM D 3150

SAE AS23053/2 Class 2

Summary of Properties

Category	Property	Units	Value
Mechanical	Specific Gravity	g/cc	1.32
	Tensile Strength	psi	3000
	Min. Ultimate Elongation	%	300
Electrical	Volume Resistivity	ohm-cm	21.5 x 10 ¹²
	Dielectric Strength	v/mil	1,083
Thermal	Flamability	N/A	VW-1

Size	Expanded I.D. Minimum		Recovered I.D. Maximum		Recovered Wall Nominal		Standard Packaging (per box) Product on Spools	
	in.	mm	in.	mm	in.	mm	ft. / Spool	Total ft. / Box
3/64	.046	1.17	.023	0.58	.020	0.51	*1,000'	2,000'
1/16	.063	1.60	.032	0.82	.020	0.51	*1,000'	2,000'
3/32	.093	2.36	.046	1.17	.025	0.64	*1,000'	2,000'
1/8	.125	3.18	.063	1.60	.025	0.64	*1,000'	2,000'
3/16	.187	4.75	.093	2.36	.025	0.64	*1,000'	2,000'
1/4	.250	6.35	.125	3.18	.025	0.64	*1,000'	2,000'
5/16	.313	7.94	.157	3.99	.028	0.71	*500'	1,000'
3/8	.375	9.53	.187	4.75	.028	0.71	*500'	1,000'
1/2	.500	12.70	.250	6.35	.028	0.71	*250'	500'
1/2	.500	12.70	.250	6.35	.028	0.71	500'	1,000'
5/8	.625	15.88	.313	7.94	.033	0.84	250'	500'
3/4	.750	19.05	.375	9.53	.033	0.84	250'	500'
1	1.000	25.40	.500	12.70	.038	0.97	250'	500'
1 1/4	1.250	31.75	.625	15.88	.041	1.04	250'	500'
1 1/2	1.500	38.10	.750	19.05	.043	1.09	100'	200'
2	2.000	50.80	1.000	25.40	.048	1.22	100'	200'
2 1/2	2.500	63.50	1.250	31.75	.058	1.47	100'	200'
3	3.000	76.20	1.500	38.10	.068	1.73	50'	100'
4	4.000	101.60	2.000	50.80	.073	1.85	50'	100'

*Pressurized Spools

All information presented is believed to be reliable and is offered only as a guide to product selection. As each application is unique, Insultab can make no warranties as to the suitability of any products for a particular use. Specifications are subject to change.

HS-105 x .032

Heavy Wall PVC Heat Shrinkable Tubing



Uses and Features

Ideal for splicing terminals and wires

Heavier wall thickness makes HS-105 X .032 ideal for use as a strain relief

Offers an extra level of abrasion and cut through resistance

Optimized for use over PVC jacketed wire and cable

Ability to cover sharp corners and irregular shapes without wrinkling

Excellent UV stability

30% stronger than Polyolefin

Resistant to most common chemicals and oils

Technical Data

Shrink ratio: 2:1

Recommended Shrink Temperature: 100°C

Operating Temperature Range: -20°C to 105°C

Longitudinal Change: +/-15%

Shelf Life: 1 Year

Recommend Storage: < 21°C

Standard Colors: Black

Standard Packaging: Spooled

Certifications

UL 224 VW-1, 125° C, 600 V

CSA OFT rated for 600 V

Heavy Wall PVC Heat Shrinkable Tubing



Summary of Properties

Category	Property	Units	Value
Mechanical	Specific Gravity	g/cc	1.32
	Tensile Strength	psi	3000
	Min. Ultimate Elongation	%	300
Electrical	Volume Resistivity	ohm-cm	21.5 x 10 ¹²
	Dielectric Strength	v/mil	1,083
Thermal	Flamability	N/A	VW-1

Size	Minimum Expanded I.D.		Maximum Recovered I.D.		Recovered Wall Nominal		Standard Packaging (per box) Product on Spools	
	in.	mm	in.	mm	in.	mm	ft. / Spool	Total ft. / Box
1/16	.063	1.60	.032	0.82	.032	.081	*1,000'	*2,000'
3/32	.093	2.36	.046	1.17	.032	.081	*1,000'	*2,000'
1/8	.125	3.18	.063	1.60	.032	.081	*1,000'	*2,000'
3/16	.187	4.75	.093	2.36	.032	.081	*1,000'	*2,000'
1/4	.250	6.35	.125	3.18	.032	.081	*1,000'	*2,000'
5/16	.313	7.94	.157	3.99	.032	.081	*500'	*1,000'
3/8	.375	9.53	.187	4.75	.032	.081	*500'	*1,000'
1/2	.500	12.70	.250	6.35	.032	.081	*250'	*500'

*Pressurized Spools

All information presented is believed to be reliable and is offered only as a guide to product selection. As each application is unique, Insultab can make no warranties as to the suitability of any products for a particular use. Specifications are subject to change.

HS-205

Cross-Linked PVC Heat Shrinkable Tubing



Uses and Features

Ideal for insulation and strain relief for wire harnesses, splices and terminals

Engineered for total compatibility with cross-linked PVC jacketed wire and cable

Improved solder iron cut-through and abrasion resistance compared to standard PVC

Ability to cover sharp corners without wrinkling

Resistant to most common chemicals and oils

30% stronger than Polyolefin

Excellent UV stability

Flame retardant

Highly flexible

Technical Data

Shrink ratio: 2:1

Recommended Shrink Temperature: 100°C

Operating Temperature Range: -20°C to 105°C

Longitudinal Change: +/- 15%

Shelf Life: 3 years

Recommend Storage: <21°C

Standard Colors: Black

Standard Packaging: Spooled

Certifications

UL 224 VW-1, 125° C, 600 V

CSA OFT rated for 600 V

ASTM D 3150

SAE AS23053/2 Class 1 (with the exception of Longitudinal Change)

Summary of Properties

Category	Property	Units	Value
Mechanical	Specific Gravity	g/cc	1.32
	Tensile Strength	psi	3000
	Min. Ultimate Elongation	%	300
Electrical	Volume Resistivity	ohn-cm	21.5 x 10 ¹²
	Dielectric Strength	v/mil	1,083
Thermal	Flamability	N/A	VW-1

Size	Minimum Expanded I.D.		Maximum Recovered I.D.		Recovered Wall Nominal		Standard Packaging (per box Product on Spools)	
	in.	mm	in.	mm	in.	mm	ft. / Spool	Total ft. / Box
3/64	.046	1.17	.023	0.58	.020	0.51	*1,000'	2,000'
1/16	.063	1.60	.032	0.82	.020	0.51	*1,000'	2,000'
3/32	.093	2.36	.046	1.17	.025	0.64	*1,000'	2,000'
1/8	.125	3.18	.063	1.60	.025	0.64	*1,000'	2,000'
3/16	.187	4.75	.093	2.36	.025	0.64	*1,000'	2,000'
1/4	.250	6.35	.125	3.18	.025	0.64	*1,000'	2,000'
3/8	.375	9.53	.187	4.75	.028	0.71	*500'	1,000'
1/2	.500	12.70	.250	6.35	.028	0.71	*250'	500'
3/4	.750	19.05	.375	9.53	.033	0.84	250'	500'
1	1.000	25.40	.500	12.70	.038	0.97	250'	500'
1 1/2	1.500	38.10	.750	19.05	.043	1.09	100'	200'
2	2.000	50.80	1.000	25.40	.048	1.22	100'	200'

*Pressurized Spools

All information presented is believed to be reliable and is offered only as a guide to product selection. As each application is unique, Insultab can make no warranties as to the suitability of any products for a particular use. Specifications are subject to change.

VAT-105

Multi-Wall, PVC Heat Shrinkable Tubing



Uses and Features

The only low shrink temperature PVC with an adhesive liner

Insulates, protects and seals cables, connectors, splices and terminals

Bonds firmly with most substrates including PVC jacketed wire and cable

Ideal for Marine and outdoor applications

Provides a waterproof bond that won't deteriorate over time

Resistant to most common chemicals and oils

Low shrink temperature enables easy recovery over temperature sensitive substrates

Technical Data

Shrink ratio: 2:1

Recommended Shrink Temperature: 100°C

Operating Temperature Range: -20°C to 105°C

Longitudinal Change: +/- 15%

Shelf Life: 1 Year

Recommend Storage: < 21°C

Standard Colors: Black

Standard Packaging: Spooled

Multi-Wall, PVC Heat Shrinkable Tubing



Summary of Properties

Category	Property	Units	Value
Mechanical	Specific Gravity	g/cc	1.32
	Tensile Strength	psi	3000
	Ultimate Elongation	%	300
	Heat Aging* (Elongation after 7 days @136°C)	%	95
Electrical	Volume Resistivity	ohn-cm	21.5 x10 ¹²
	Dielectric Strength	v/mil	1083

Adhesive Peel Strength			
Test Method	Substrate	UOM	Typical Value
Lap Shear: 2" per min, 1" overlap (samples prepared using vinyl adhesive films, 5min @ 250°F, 100psi contact pressure)	Vinyl	psi	155
	Copper	psi	101
	Steel	psi	65
	Aluminum	psi	60

Size	Minimum Expanded I.D.		Maximum Recovered I.D.		Recovered Wall Nominal		Recovered Melt Wall Nominal		Standard Packaging (per box Product on Spools)	
	in.	mm	in.	mm	in.	mm			ft. / Spool	Total ft. / Box
3/16	.187	4.75	.093	2.36	.035	0.89	.007	.018	1,000'	2,000'
1/4	.250	6.35	.125	3.18	.035	0.89	.007	.018	1,000'	2,000'
3/8	.375	9.53	.187	4.75	.035	0.89	.007	.018	500'	1,000'
1/2	.500	12.70	.250	6.35	.035	0.89	.007	.018	250'	500'
3/4	.750	19.10	.375	9.53	.040	1.02	.007	.018	100'	200'
1	1.000	25.40	.500	12.70	.045	1.14	.007	.018	100'	200'

All information presented is believed to be reliable and is offered only as a guide to product selection. As each application is unique, Insultab can make no warranties as to the suitability of any products for a particular use. Specifications are subject to change.

HEAT SHRINK

VAT-205

**Multi-Wall, Cross-Linked,
PVC Heat Shrinkable Tubing**



Uses & Features

The only cross-linked, heat shrinkable PVC tubing with an adhesive layer

Ideal for marine and outdoor applications using cross-linked PVC wire and cable

Waterproof bonding

UV resistant

Offers a longer and less heat-sensitive shelf life compared to standard PVC heat shrink

Improved solder iron cut-through and abrasion resistance compared to standard PVC

Technical Data

Shrink Ratio: 2:1

Recommended Shrinking Temperature: 100°C

Operating Temperature: -20°C-105°C

Longitudinal Change: +/-15%

Shelf Life: 1 Year

Recommend Storage: - < 21°C

Standard Colors: Black

Standard Packaging: Spooled

Multi-Wall, Cross-Linked, PVC Heat Shrinkable Tubing



Summary of Properties

Category	Property	Units	Value
Mechanical	Specific Gravity	g/cc	1.32
	Tensile Strength	psi	3000
	Ultimate Elongation	%	300
	Heat Aging* (Tensile after 7 days @136°C)	%	102
	Heat Aging* (Elongation after 7 days @136°C)	%	95
Electrical	Volume Resistivity	ohn-cm	21.5 x10 ¹²
	Dielectric Strength	v/mil	1083

Peel Strength

Adhesive Strength			
Test Method	Substrate	UOM	Typical Value
Lap Shear: 2" per min, 1" overlap (samples prepared using vinyl adhesive films, 5min @ 250°F, 100psi contact pressure)	Vinyl	psi	155
	Copper	psi	101
	Steel	psi	65
	Aluminum	psi	60

Standard Sizes

Size	Expanded I.D. Minimum		Recovered I.D. Maximum		Recovered Outer Wall Nominal		Recovered Melt Wall Nominal		Standard Packaging (per box) Product on Spools	
	in.	mm	in.	mm	in.	mm	in.	mm	ft. / Spool	Total ft. / Box
3/16	.187	4.75	.093	2.36	.035	0.89	.007	0.18	1,000'	2,000'
1/4	.250	6.35	.125	3.18	.035	0.89	.007	0.18	1,000'	2,000'
3/8	.375	9.53	.187	4.75	.035	0.89	.007	0.18	500'	1,000'
1/2	.500	12.70	.250	6.35	.035	0.89	.007	0.18	250'	500'
3/4	.750	19.10	.375	9.53	.040	1.02	.007	0.18	100'	200'
1	1.000	25.40	.500	12.70	.045	1.14	.007	0.18	100'	200'

All information presented is believed to be reliable and is offered only as a guide to product selection. As each application is unique, PEXCO can make no warranties as to the suitability of any products for a particular use. Specifications are subject to change.



Specialty Heat Shrink

Pexco's specialty heat shrink tubing is engineered for high-performance applications where standard materials are not sufficient. This portfolio includes PVDF, chlorinated polyolefin elastomer, and fluoroelastomer heat shrink solutions designed to withstand extreme temperatures, aggressive chemicals, fuels, and harsh environmental conditions. These materials provide enhanced mechanical strength, superior chemical resistance, and long-term reliability in the most demanding operating environments.

Commonly used in aerospace, defense, automotive, energy, and industrial applications, specialty heat shrink tubing is ideal for fuel line protection, high-temperature insulation, fluid resistance, and exposure to oils, solvents, and corrosive elements. With broad operating temperature ranges and compliance with rigorous industry specifications, Pexco's specialty heat shrink solutions enable distributors to support critical applications where performance, durability, and material integrity are essential.



- Enhanced mechanical strength
- Superior chemical resistance
- Long-term reliability

HSK-600

PVDF Heat Shrinkable Tubing



Uses and Features

Ideal for high-temperature applications

Improved chemical resistance when compared to Polyolefin and PVC

Optimal for use as electrical insulation and strain relief of high temperature wires, solder joints, terminals and connections

High degree of mechanical strength

Highly flame retardant

Outstanding abrasion, cut-through and impact resistance

Technical Data

Shrink ratio: 2:1

Recommended Shrink Temperature: 175°C

Operating Temperature Range: -55°C to 175°C

Longitudinal Change: +/- 10%

Shelf Life: 5 Years

Recommend Storage: <35°

Standard Colors: Translucent

Standard Packaging: 4' Lengths

Certifications

UL 224 VW-1, 150° C, 600 V

CSA OFT

SAE AS23053/8

Summary of Properties

Category	Property	Units	Value
Mechanical	Specific Gravity	g/cc	1.8
	Tensile Strength	psi	5000
	Min. Ultimate Elongation	%	150
Electrical	Volume Resistivity	ohm-cm	3.8 x 10 ¹⁵
	Dielectric Strength (<.5" Exp I.D.)	v/mil	1000
	Dielectric Strength (≥ .5" Exp. I.D.)	v/mil	700
Thermal	Flamability	N/A	VW-1

Size	Minimum Expanded I.D.		Maximum Recovered I.D.		Recovered Wall Nominal		Standard Packaging (per box Product on Spools)
	in.	mm	in.	mm	in.	mm	ft. / Spool
3/64	.046	1.17	.023	0.58	.010	0.25	1,000'
1/16	.063	1.60	.031	0.79	.010	0.25	1,000'
3/32	.093	2.36	.046	1.17	.010	0.25	1,000'
1/8	.125	3.18	.062	1.57	.010	0.25	1,000'
3/16	.187	4.75	.093	2.36	.010	0.25	800'
1/4	.250	6.35	.125	3.18	.012	0.30	500'
3/8	.375	9.53	.187	4.75	.012	0.30	500'
1/2	.500	12.70	.250	6.35	.012	0.30	400'
5/8	.625	15.88	.313	7.94	.014	0.36	200'
3/4	.750	19.05	.375	9.53	.017	0.43	200'
1	1.000	25.40	.500	12.70	.019	0.48	120'
1 1/2	1.500	38.10	.750	19.05	.020	0.51	96'

All information presented is believed to be reliable and is offered only as a guide to product selection. As each application is unique, Insultab can make no warranties as to the suitability of any products for a particular use. Specifications are subject to change.

HSN-100

Chlorinated Polyolefin Elastomer



Uses and Features

Excellent performance in extremely cold environments

Ideal for rugged applications requiring tough, flexible, highly abrasion-resistant coverings

Excels as insulation, strain relief, and protection for military and aerospace cables and wire harnesses

Well suited for severe outdoor environmental conditions

Resistant to most common chemicals and oils including aviation and vehicle fuels, lubricating oils, acids, solvents and hydraulic fluids

Easily marked

Technical Data

Shrink ratio: 2:1

Recommended Shrink Temperature: 130°C

Operating Temperature Range: -70°C to 120°C

Longitudinal Change: +1 / -10%

Shelf Life: 1 Year

Recommend Storage: <35°C

Standard Colors: Black

Standard Packaging: Spooled

Certifications

SAE AS23053/1 Class 1 and Class 2

Summary of Properties

Category	Property	Units	Value
Mechanical	Specific Gravity (max)	g/cc	1.3
	Tensile Strength (min)	psi	1500
	Min. Ultimate Elongation	%	250
Electrical	Dielectric Strength	v/mil	800
	Volume Resistivity	ohm-cm	1 x 10 ¹¹

Size	Minimum Expanded I.D.		Maximum Recovered I.D.		Recovered Wall Nominal		Standard Packaging (per box Product on Spools)	
	in.	mm	in.	mm	in.	mm	ft. / Spool	Total ft. / Box
1/8	.125	3.18	.072	1.83	.030	0.76	200'	600'
3/16	.187	4.75	.106	2.69	.035	0.89	200'	600'
1/4	.250	6.35	.125	3.18	.035	0.89	200'	600'
3/8	.375	9.53	.187	4.75	.040	1.02	100'	300'
1/2	.500	12.70	.250	6.35	.048	1.22	100'	300'
5/8	.625	15.88	.312	7.92	.052	1.32	100'	300'
3/4	.750	19.05	.375	9.53	.057	1.45	100'	300'
7/8	.875	22.23	.437	11.10	.065	1.65	100'	300'
1	1.000	25.40	.500	12.70	.070	1.78	100'	300'
1 1/4	1.250	31.75	.625	15.54	.087	2.21	50'	100'
1 1/2	1.500	38.10	.750	19.05	.095	2.41	50'	100'

All information presented is believed to be reliable and is offered only as a guide to product selection. As each application is unique, Insultab can make no warranties as to the suitability of any products for a particular use. Specifications are subject to change.

HS-VTN

Fluoroelastomer Heat Shrinkable Tubing



Uses and Features

Superior resistance to highly corrosive chemicals, fuels, lubricants, acids and solvents

Ideal for protecting wires and cables in military and aerospace applications

Outstanding high temperature performance

Excellent impact, abrasion and cut-through resistance

Very flexible

Easily marked

Technical Data

Shrink ratio: 2:1

Recommended Shrink Temperature: 120°C

Operating Temperature Range: -40°C to 200°C

Longitudinal Change: +0 / -20%

Shelf Life: 2 Years

Recommend Storage: <35°

Standard Colors: Black

Standard Packaging: Spooled

Certifications

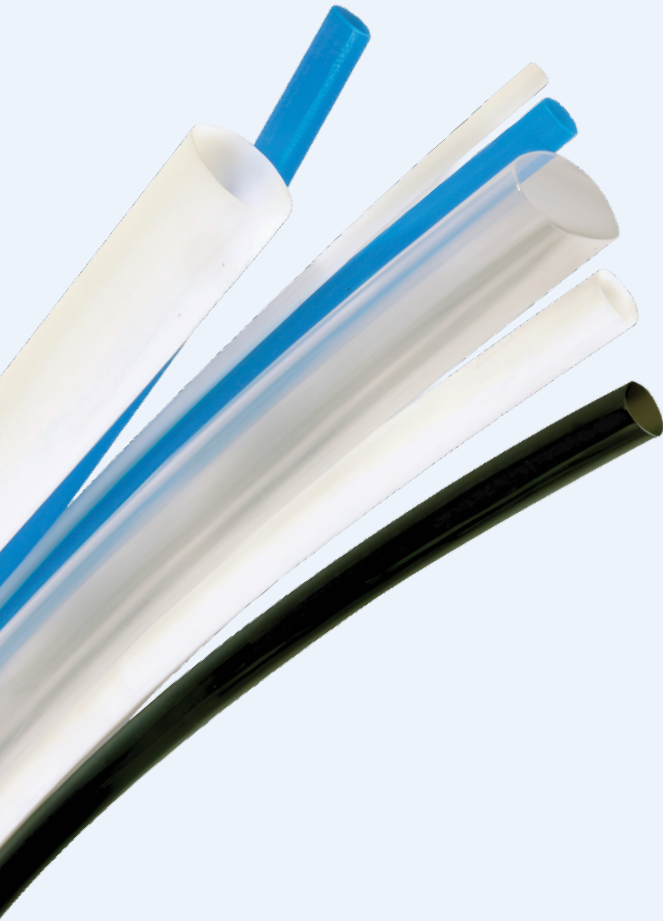
SAE AS23053/13

Summary of Properties

Category	Property	Units	Value
Mechanical	Specific Gravity	g/cc	1.9
	Tensile Strength	psi	1200
	Ultimate Elongation	%	200
Electrical	Volume Resistivity	ohm-cm	1 x 10 ¹¹
	Dielectric Strength (min)	v/mil	200

Size	Minimum Expanded I.D.		Maximum Recovered I.D.		Recovered Wall Nominal		Standard Packaging (per box) Product on Spools	
	in.	mm	in.	mm	in.	mm	ft. / Spool	Total ft. / Box
1/8	.125	3.18	.062	1.57	.030	0.76	200'	200'
3/16	.187	4.75	.093	2.36	.035	0.89	200'	200'
1/4	.250	6.35	.125	3.18	.035	0.89	200'	200'
3/8	.375	9.53	.187	4.75	.035	0.89	200'	200'
1/2	.500	12.70	.250	6.35	.035	0.89	100'	100'
5/8	.625	15.88	.312	7.92	.042	1.07	100'	100'
3/4	.750	19.05	.375	9.53	.042	1.07	100'	100'
7/8	.875	22.23	.438	11.11	.049	1.24	100'	100'
1	1.000	25.40	.500	12.70	.049	1.24	50'	50'
1 1/4	1.250	31.75	.625	15.88	.055	1.40	50'	50'

All information presented is believed to be reliable and is offered only as a guide to product selection. As each application is unique, Insultab can make no warranties as to the suitability of any products for a particular use. Specifications are subject to change.



Extruded Tubing

Pexco's extruded tubing and sleeving solutions extend beyond heat shrink to provide durable, ready-to-use protection for applications where shrinkable materials are not required. Under the Insultab® brand, these non-shrink products are engineered for consistent dimensional stability, reliable insulation, and long-term performance across electrical, industrial, and medical applications. Available in standard and heavy wall constructions, these solutions offer flexibility, abrasion resistance, and dependable dielectric properties in a wide range of environments.

This portfolio includes **4900 PVC Tubing & Sleeving**, **4900 x .032 Heavy Wall PVC**, and **714 Medical Tubing**, each designed to meet specific performance and regulatory requirements. Common applications include wire insulation, fluid transfer, protective sleeving, and general-purpose covering where ease of installation and material consistency are critical. For distributors and OEMs, these products provide a complementary solution to heat shrink tubing, enabling broader application coverage and expanded product offerings.

In addition to PVC and medical-grade tubing, Pexco offers a full range of thermoplastic and fluoropolymer tubing solutions, including nylon tubing and Altaflo® fluoropolymer tubing for high-performance, chemical-resistant, and high-temperature applications. Please refer to our dedicated tubing catalogs for detailed product specifications and material selection guidance.

4900

Flexible PVC Tubing

Uses and Features

- Continuous service rated for 105°C
- Excellent general purpose flexible tubing
- Resistant to most common chemicals and oils
- Excellent UV stability
- Meets EU "Lead Free" requirements

Certifications

- UL 224 VW-1
- CSA OFT
- Size #24 through Size #1: UL rated 300V
- Size 5/16 through Size 2": UL rated 600V
- AMS 3631
- ASTM D 922
- MIL-I-631D Grade C QPL Approved



Flexible PVC Tubing



Summary of Properties

Category	Property	Units	Value
Mechanical	Specific Gravity	g/cc	1.32
	Tensile Strength	psi	2780
	Ultimate Elongation	%	260
Electrical	Volume Resistivity	ohm-cm	1.6 x 10 ¹⁴
	Dielectric Strength	v/mil	870
Thermal	Flammability	N/A	VW-1

AWG No.	Nominal I.D.		Nominal Wall		Standard Packaging (Per Box) – Product on Spools	
	in.	mm	in.	mm	ft./Spool	Total ft./Box
24	.022	0.56	.012	0.30	2,500'	5,000'
22	.027	0.69	.012	0.30	2,500'	5,000'
20	.034	0.86	.016	0.41	1,000'	4,000'
19	.038	0.97	.016	0.41	1,000'	4,000'
18	.042	1.07	.016	0.41	1,000'	4,000'
17	.047	1.19	.016	0.41	1,000'	4,000'
16	.053	1.35	.016	0.41	1,000'	4,000'
15	.059	1.50	.016	0.41	1,000'	4,000'
14	.066	1.68	.016	0.41	1,000'	4,000'
13	.076	1.93	.016	0.41	1,000'	4,000'
12	.085	2.16	.016	0.41	1,000'	4,000'
11	.095	2.41	.016	0.41	1,000'	4,000'
10	.106	2.69	.016	0.41	1,000'	4,000'
9	.118	3.00	.020	0.51	1,000'	4,000'
8	.133	3.38	.020	0.51	1,000'	4,000'
7	.148	3.76	.020	0.51	1,000'	4,000'
6	.166	4.21	.020	0.51	1,000'	2,000'
5 (3/16)	.186	4.72	.020	0.51	1,000'	2,000'
4	.208	5.28	.020	0.51	1,000'	2,000'
3	.234	5.94	.020	0.51	1,000'	2,000'
1/4	.250	6.35	.020	0.51	1,000'	2,000'
2	.263	6.68	.020	0.51	1,000'	2,000'
1	.294	7.47	.020	0.51	1,000'	2,000'
5/16	.313	7.94	.025	0.64	500'	1,000'
0	.330	8.38	.025	0.64	500'	1,000'
3/8	.375	9.53	.025	0.64	500'	1,000'
7/16	.438	11.11	.025	0.64	500'	1,000'
1/2	.500	12.70	.025	0.64	500'	1,000'
9/16	.563	14.29	.030	0.76	250'	500'
5/8	.625	15.88	.030	0.76	250'	500'
3/4	.750	19.05	.035	0.89	250'	500'
7/8	.875	22.23	.035	0.89	100'	400'
1"	1.000	25.40	.035	0.89	100'	400'
1 1/8	1.125	28.58	.035	0.89	100'	400'
1 1/4	1.250	31.75	.040	1.02	100'	400'
1 3/8	1.375	34.93	.045	1.14	50'	200'
1 1/2	1.500	38.10	.045	1.14	50'	200'
1 3/4	1.750	44.45	.055	1.40	50'	200'
2"	2.000	50.80	.060	1.52	50'	200'

Standard Colors: Black, White, Red, Yellow, Clear, Sizes above 1 inch: Black, White, Clear

All information presented is believed to be reliable and is offered only as a guide to product selection. As each application is unique, Insultab can make no warranties as to the suitability of any products for a particular use. Specifications are subject to change.

4900 x .032

Heavy-Wall, Flexible PVC Tubing



Uses and Features

General purpose flexible tubing with a 1/32" wall thickness.

Continuous service rated for 105°C

Resistant to most common chemicals and oils

Excellent UV Stability

High dielectric strength

Meets EU "Lead Free" requirements

Certifications

UL 224 VW-1

CSA OFT rated for 600V

AMS 3631

ASTM D 922

Heavy-Wall, Flexible PVC Tubing



Summary of Properties

Category	Property	Units	Value
Mechanical	Specific Gravity	g/cc	1.32
	Tensile Strength	psi	2780
	Ultimate Elongation	%	260
Electrical	Volume Resistivity	ohm-cm	1.6 x 10 ¹⁴
	Dielectric Strength	v/mil	870
Thermal	Flammability	N/A	VW-1

AWG No.	Nominal I.D.		Nominal Wall		Standard Packaging (Per Box) – Product on Spools	
	in.	mm	in.	mm	ft./Spool	Total ft./Box
24	.022	0.56	.032	0.81	1,000'	4,000'
22	.027	0.69	.032	0.81	1,000'	4,000'
20	.034	0.86	.032	0.81	1,000'	4,000'
19	.038	0.97	.032	0.81	1,000'	4,000'
18	.042	1.07	.032	0.81	1,000'	4,000'
17	.047	1.19	.032	0.81	1,000'	4,000'
16	.053	1.35	.032	0.81	1,000'	4,000'
15	.059	1.50	.032	0.81	1,000'	4,000'
14	.066	1.68	.032	0.81	1,000'	4,000'
13	.076	1.93	.032	0.81	1,000'	4,000'
12	.085	2.16	.032	0.81	1,000'	4,000'
11	.095	2.41	.032	0.81	1,000'	4,000'
10	.106	2.69	.032	0.81	1,000'	4,000'
9	.118	3.00	.032	0.81	1,000'	4,000'
8	.133	3.38	.032	0.81	500'	1,000'
7	.148	3.76	.032	0.81	500'	1,000'
6	.166	4.21	.032	0.81	500'	1,000'
5 (3/16)	.186	4.72	.032	0.81	500'	1,000'
4	.208	5.28	.032	0.81	500'	1,000'
3	.234	5.94	.032	0.81	500'	1,000'
1/4	.250	6.35	.032	0.81	500'	1,000'
2	.263	6.68	.032	0.81	500'	1,000'
1	.294	7.47	.032	0.81	500'	1,000'
5/16	.313	7.94	.032	0.81	500'	1,000'
0	.330	8.38	.032	0.81	500'	1,000'
3/8	.375	9.53	.032	0.81	500'	1,000'
7/16	.438	11.11	.032	0.81	500'	1,000'
1/2	.500	12.70	.032	0.81	250'	500'

Standard Colors: Black, Clear

All information presented is believed to be reliable and is offered only as a guide to product selection. As each application is unique, Insultab can make no warranties as to the suitability of any products for a particular use. Specifications are subject to change.

HS-714

Medical Grade, Cross-linked Acrylated Olefin Heat Shrinkable Tubing



Uses and Features

Manufactured using a proprietary, USP Class VI certified resin with no additives or fillers

Offers a bio-compatible jacketing for temporary implantation devices, Ideal for insulating electro-surgical instruments

Offers unique adhesion properties to metals, glass, and select plastics without the use of adhesive

Displays superior cut-through, puncture, and abrasion resistance

Provides excellent resistance to a wide range of chemicals including Saline, Povidone-iodine (Betadine), Benzalkonium (Zephiran), and Alcohol

Can be printed with USP Class VI inks

Comes with complete lot traceability

Alcohol wiped and double-bagged in a clean room environment

Technical Data

Shrink ratio: 2:1

Recommended Shrink Temperature: 121°C

Operating Temperature Range: -20°C to 121°C

Longitudinal Change: +/-5%

Shelf Life: 3 years

Recommend Storage: <27° C

Standard Colors: Clear, White, Black, Blue

Standard Packaging: Spooled

Certifications

USP Class VI

ISO-10993-5

USFDA Reg C.F.R 177.1330

RoHS Compliant

USP Class VI and ISO 10993-5 Cytotoxicity documentation provided as post process certification when requested

Medical Grade, Cross-linked Acrylated Olefin Heat Shrinkable Tubing



Summary of Properties

Category	Property	Units	Value
Mechanical	Specific Gravity	g/cm ²	0.934
	Tensile Strength (min)	psi	3200
	Ultimate Elongation (min)	%	500
	Durometer	Shore D	53
Electrical	Dielectric Strength	v/mil	1800
	Flammability	N/A	VW-1

Compatible with the following sterilization methods	
E-beam and Gamma	Steris Process – Peracetic Acid
Autoclave	Hydrogen Peroxide Gas
EtO	Glutaraldehyde

Autoclave Cycle Test:

20 cycles @ 121°C 15 psig for 15 min. with fast dry cycle, followed by test for:

Property	Test Method	Typical Value
Volume Resistivity @ 500 volts	ASTM D 257	No change from original
Dielectric Strength in air @ 500 kv/min rise	ASTM D 149	No change from original
Dielectric Constant @ 1 MHz	ASTM D 150	No change from original
Dissipation Factor @ 1 MHz	ASTM D 150	No change from original

Notice to User: It is imperative that manufacturers and end-users understand that the electro-surgical instruments should be placed separately, without overlay, on autoclave trays. Potential damage caused by overlay in the autoclave will significantly reduce this and any other dielectric insulator's ability to pass the 20 cycles of autoclave required by the AAMI.

All statements and recommendations are based on technical data that PEXCO believes to be true and reliable. It is the responsibility of the user to determine functionality and suitability. If you have any questions on the use or handling of this product, please contact us at 844-352-5777.

Standard Dimensions

Size	Expanded I.D. Minimum		Recovered I.D. Maximum		Recovered Wall Nominal		Standard Packaging (per Box) Product is Supplied in Coils or on Plastic Spools	
	in.	mm	in.	mm	in.	mm	ft. / Coil or Spool	Total ft./Box
3/32	.093	2.36	.046	1.17	.020	0.51	1,000'	2,000'
1/8	.125	3.18	.062	1.58	.020	0.51	1,000'	2,000'
3/16	.187	4.75	.093	2.36	.020	0.51	1,000'	2,000'
1/4	.250	6.35	.125	3.18	.025	0.64	500'	1,000'
3/8	.375	9.53	.187	4.75	.025	0.64	200'	600'
1/2	.500	12.70	.250	6.35	.025	0.64	200'	600'

Custom sizes available upon request.

All information presented is believed to be reliable and is offered only as a guide to product selection. As each application is unique, Insultab can make no warranties as to the suitability of any products for a particular use. Specifications are subject to change.

One source for high-performance plastic components — extrusions, molding, and machining.

Where Ideas Take Shape.

Pexco offers standard size and custom extrusions; precision injection, compression, transfer, and net shape molding; and plastic and metal machining. From acrylics to fluoropolymers, and elastomers to specialty polymers, our advanced materials processing and experienced team ensure we can meet the most demanding specifications.

Key Markets

Pexco's Insultab heat shrink tubing provides reliable protection, insulation, sealing, and identification across a wide range of industrial and commercial applications. Within our Insultab Heat Shrink line, Pexco offers custom cutting, packing, labeling, and printing.

- Aerospace & Defense
- Energy & Power Generation
- Semiconductor
- Electrical & Electronics
- Medical & Life Sciences
- Telecom & Data Center

Quality and Certifications

Headquartered in Atlanta, Georgia, with manufacturing plants across the United States and in Mexico and Canada, all our sites are ISO 9001 certified. We have additional ISO 13485 certifications for medical equipment, AS9100 certifications for aerospace, and SEMI F57 and SEMI C90 certifications for semiconductor applications.



224 VW-1



AS23053/1/2/4/5



10993 5



Reg C.F.R. 177.1330

For more information please contact us at:

EMAIL sales@pexco.com / WEB pexco.com/contact / PHONE 844.352.5777