

Enflon® PTFE PRODUCTS

For the most challenging applications your business may encounter, look to Pexco to provide industry-leading experience, a broad range of Enflon® PTFE offerings, and R&D capabilities to deliver the solutions you need to be successful.

Molded Sheets

Skived Rolls

Skived Sheets

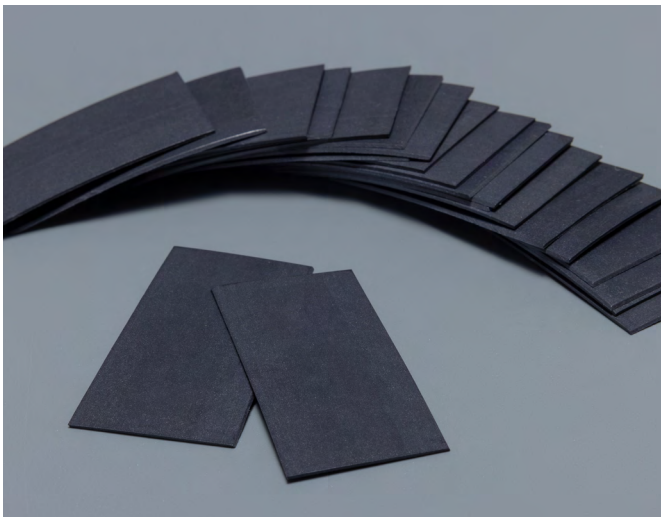
Skived Tape

Molded Rods

Molded Cylinders

Extruded Rods

Extruded Tubes



Pexco's Molded Enflon® PTFE sheets provide a low-friction, non-stick surface suitable for use in high-temperature and high-dielectric applications. This item is available in cut-to-size sheets and can be supplied etched one-side, etched two-side, or with a self-adhesive acrylic backing (pressure sensitive tape).

MOLDED SHEETS

Width Tolerances:

- Standard sizes: +0.25"
- Tighter tolerances available if needed

Additional Services Available:

- Stress Relief (Annealing) Cycles
- One-Sided or Two-Sided Etching
- Dimpling
- Cutting to smaller sizes
- Additional fabrication services available on request













Resins Available (Virgin & Filled):

- Standard
- Premium
- High-Performance
- Modified
- Reprocessed (Virgin only)
- Custom resins and blends available

 Available

 Available upon request

Custom sizes and tolerances available upon request

Thickness	Thickness Tolerance	24 x 24	30 x 30	36 x 36	40 x 40	24 x 48	36 x 48	48 x 48
0.187	+0.060"							
0.197								
0.250	+0.050"							
0.312								
0.375	+16%							
0.500								
0.625								
0.750								
0.875								
1.000								
1.250								
1.500								
1.750								
2.000								
2.250								
2.500								
2.750								
3.000*								
3.250*								
3.500*								
3.750*								
4.000*								
4.250*								
4.500*								
4.750*								
5.000*								

*Thickness above 3" will be untrimmed

Enflon® Skived PTFE Products provide a low-friction, non-stick solution for a number of high-temperature and high-dielectric applications. Enflon® Skived Products come in roll form, sheets and tape and can be etched on one-side, etched on both sides and can also be offered with a self-adhesive acrylic backing as pressure sensitive tape.

Width Tolerances:

- Standard Tolerance: +0.5"
- Tighter tolerances available per customer request

Dimensional Considerations:

- Tighter tolerances available depending on thickness
- Custom thicknesses available
- Roll lengths depend on thickness

Additional Services Available:

- Rolls can be cut into sheets (+0.250")
- Parting / Slitting
- Dimpling
- One-Sided or Two-Sided Etching
- Additional services available on request

Resins Available (Virgin & Filled):

- Standard
- Premium
- High-Performance
- Modified
- Reprocessed (Virgin only)
- Custom resins and blends available

SKIVED ROLLS

Thickness	Thickness Tolerance (in)	Max Roll Width
0.0015	+0.0006	24"
0.002		
0.003		
0.004	+0.001	48"
0.005		
0.006		
0.007	+0.002	48"
0.008		
0.009		
0.010	+0.003	72"
0.015		
0.020		
0.025	+0.004	72"
0.030		
0.035		
0.040	+0.006	72"
0.045		
0.050		
0.062	+0.010	72"
0.075		
0.093		
0.125	+0.020	72"
0.156		
0.160		
0.187	+0.030	72"
0.200		
0.250		
	+/-0.020	

Width Tolerances:

- Standard Tolerance: +0.250"
- Tighter tolerances available per customer request

Dimensional Considerations:

- Tighter tolerances available depending on thickness
- Custom thicknesses available
- Roll lengths depend on thickness

Additional Services Available:

- Dimpling
- One-Sided or Two-Sided Etching

Resins Available (Virgin & Filled):

- Standard
- Premium
- High-Performance
- Modified
- Reprocessed (Virgin only)
- Custom resins and blends available

SKIVED SHEETS

Thickness	Thickness Tolerance (in)	Max Sheet Width
0.0015	+0.0006	24"
0.002		
0.003		
0.004	+0.001	48"
0.005		
0.006		
0.007	+0.002	72"
0.008		
0.009		
0.010	+0.003	72"
0.015		
0.020		
0.025	+0.004	72"
0.030		
0.035		
0.040	+0.006	72"
0.045		
0.050		
0.062	+0.010	72"
0.075		
0.093		
0.125	+0.020	72"
0.156		
0.160		
0.187	+0.030	72"
0.200		
0.250		

Pexco's Enflon® PTFE Tape features superior insulating strength, is non-stick, flexible and resists high temperatures, chemicals and moisture. Other properties include zero porosity, excellent release and of course, a super-low coefficient of friction. Enflon® PTFE Tape can be supplied etched one-side, etched two-side or with a self-adhesive acrylic backing (pressure-sensitive tape).

Width Tolerances:

- Standard Tolerance: +0.250"
- Tighter tolerances available per customer request

Dimensional Considerations:

- Tighter tolerances available depending on thickness
- Custom thicknesses available
- Roll lengths depend on thickness

Additional Services Available:

- Dimpling
- One-Sided or Two-Sided Etching
- Pressure Sensitive Adhesive Backing

Resins Available (Virgin & Filled):

- Standard
- Premium
- High-Performance
- Modified
- Reprocessed (Virgin only)
- Custom resins and blends available

SKIVED TAPE

Thickness	Thickness Tolerance (in)	Min Width for Adhesive Backing
0.0015	+0.0006	N/A
0.002		
0.003		
0.004	+0.001	1.000"
0.005		
0.006		
0.007	+0.002	
0.008		
0.009		
0.010		
0.015	+0.003	
0.020		
0.025		
0.030	+0.004	
0.035		
0.040	+0.006	
0.045		
0.050	+0.010	
0.062		
0.075		
0.093	+0.020	
0.125		
0.156		
0.160	+0.030	
0.187		
0.200	+0.040	
0.250		
	+/-0.020	

Pexco's Enflon® Molded PTFE Rods provide a low-friction, non-stick surface suitable for use as machining stock for all kinds of chemical, electrical and mechanical components where the outstanding performance characteristics of PTFE are required.

Dimensional Considerations:

- Available upon request:
 - Smaller OD (min 0.4")
 - Larger OD
 - Longer or shorter lengths
 - Tighter tolerances

Additional Services Available:

- Stress Relief (Annealing) Cycles
- Cut to length
- End-Cap Mounting

Resins Available (Virgin & Filled):

- Standard
- Premium
- High-Performance
- Modified
- Reprocessed (Virgin only)
- Custom resins and blends available

MOLDED RODS

Min OD	1.250"
Max OD	20.500"
OD Tolerance	1.25" to 6" = +0.25" 6" to 20.50" = +6%
Max. Length	12"
Length Tolerance	+0.5"



Pexco's Enflon® Molded PTFE Cylinders are generally used as machining stock to create shapes for any number of chemical, electrical and mechanical components where the outstanding performance characteristics of PTFE are required.

Dimensional Considerations:

- Available upon request:
 - Customized ID/OD combinations
 - Longer or shorter lengths

Additional Services Available:

- Stress Relief (Annealing) Cycles
- Cut to length
- End-Cap Mounting

Resins Available (Virgin & Filled):

- Standard
- Premium
- High-Performance
- Modified
- Reprocessed (Virgin only)
- Custom resins and blends available

MOLDED CYLINDERS

OD Range	1.125" - 34.500"
ID Range	0.500" - 30.125"
OD Tolerance	1.125" to 6" = +0.25" 6" to 34.50" = +6%
ID Tolerance	0.50" to 6" = -0.25" 6" to 30.125" = -6%
Max. Length	12"
Length Tolerance	+0.5"



Enflon® Extruded PTFE Rod products are generally used as machining stock to create shapes for any number of chemical, electrical and mechanical components.

Dimensional Considerations:

- Tighter tolerances available upon request
- Longer lengths on small OD are possible on request.
- Smaller flexible tubing available from Pexco Altaflo brand

Additional Services Available:

- Stress Relief (Annealing) Cycles
- Cut to length
- Centerless Grinding

Resins Available (Virgin & Filled):

- Standard
- Premium
- High-Performance
- Reprocessed (Virgin only)
- Custom resins and blends available

EXTRUDED RODS

OD RANGE	Tolerance	Max Length
0.125" - 1.000"	+0.005	> 12ft
1.125" - 2.000"	+0.010	12 ft
2.125" - 3.000"	+0.030	12 ft
3.125" - 4.000"	+0.062	6 ft



Pexco's Enflon® Extruded PTFE Tubing products exhibit outstanding thermal, chemical and corrosion resistance and are suitable for a wide range of applications. Pexco's extruded PTFE tubing is an ideal material where a non-stick surface can facilitate smooth fluid transfer while practically eliminating any material residue build-up. Often, PTFE tubing is the perfect replacement for glass, rubber and stainless steel products because of its durability and resistance to thermal and chemical extremes.

Dimensional Considerations:

- Tighter tolerances available upon request
- Longer lengths on small OD are possible on request.
- Smaller flexible tubing available from Pexco Altaflo brand

Additional Services Available:

- Stress Relief (Annealing) Cycles
- Cut to length
- Centerless Grinding

Resins Available (Virgin & Filled):

- Standard
- Premium
- High-Performance
- Reprocessed (Virgin only)
- Custom resins and blends available

EXTRUDED TUBES

OD RANGE	ID RANGE	OD TOLERANCE	ID TOLERANCE
0.250" to 1.000"	0.063" to 0.875"	+0.032"	-0.040"
1.125" to 2.000"	0.250" to 0.875"	+0.062"	-0.062"
2.375" to 2.625"	1.375" to 2.250"	+0.125"	-0.125"

Consultation, design and fabrication of specialty plastic products

Where Ideas Take Shape.

From inspiration to application, Pexco has been helping our customers bring ideas to life for nearly half a century as a plastic extrusion manufacturer. Based in Atlanta, with multiple plants in the U.S. and Mexico, Pexco has grown and evolved to become North America's leader in the design and fabrication of specialty plastic products.

Key Markets

- Aerospace & Defense
- Chemical Processing
- Electrical & Electronics
- Energy & Power Generation
- Fluid Handling
- Medical & Life Sciences
- Semiconductor
- Telecom & Data Center
- Water Treatment & Management

Quality and Certifications

Enflon is ISO 9001:2015 Certified QMS. Enflon products are ROHS, REACH, and Conflict Mineral compliant. More certifications and information available upon request.



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