

Pexco PVDF Rod

Part Number	OD	Tol
PVDF0.125	1/8"	+.002", -0"
PVDF0.156	5/32"	+.002", -0"
PVDF0.188	3/16"	+.002", -0"
PVDF0.250	1/4"	+.002", -0"
PVDF0.313	5/16"	+.002", -0"
PVDF0.375	3/8"	+.002", -0"
PVDF0.437	7/16"	+.002", -0"
PVDF0.500	1/2"	+.002", -0"
PVDF0.625	5/8"	+.002", -0"
PVDF0.750	3/4"	+.002", -0"
PVDF0.875	7/8"	+.002", -0"
PVDF1.000	1"	+.005", -0"
PVDF1.125	1-1/8"	+.005", -0"
PVDF1.250	1-1/4"	+.005", -0"
PVDF1.375	1-3/8"	+.005", -0"
PVDF1.500	1-1/2"	+.005", -0"
PVDF1.750	1-3/4"	+.005", -0"
PVDF2.000	2"	+.005", -0"

Physical Property

Physical Property	ASTM TEST METHOD	Units	Values
Upper Service Temp.			250° F
Specific Gravity	D 792		1.77-1.79
Tensile Strength	D 1708	PSI	5000-7000
Elongation	D 638	%	50-200
Flex Modulus	D 790	PSI	240,000-300,000
Hardness	D 2240	Shore D	76-80

Notes: Additional rod sizes and resins are available. For pricing and lead-time, please contact customer service with dimensions, lengths, and quantities.

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Polyvinylidene Fluoride

PVDF is a durable, abrasion-resistant, high-performance fluoropolymer suitable for use in applications requiring chemical resistance with low permeability. Pexco uses 100% virgin grade Kynar® PVDF 740 resin in the production of our rods.

Features

- Superior chemical resistance and mechanical strength
- Extensive working temperature range
- Abrasion resistance and extreme hardness
- Inherent purity and low permeability
- Excellent creep and fatigue resistance to support integrity of part dimensions
- UV and gamma radiation resistance to protect against degradation
- Mechanical strength with high resistance to abrasion, solvents, acids and hydrocarbons

Applications

- Automotive
- Electronics
- Food and beverage processing
- Semiconductor
- Medical and life sciences
- Water & Chemical Process Systems
- Chemical tank fabrication
- Oil and gas exploration

Specifications

- **General:** Resin meets or exceeds requirements listed in ASTM D 3222
- **Temperature:** -20° F to 250° F
- **Flammability:** UL-94-VO rated Kynar® PVDF 740 resin resists combustion and does not promote flame spread
- **Standard Lengths:** 6 FT / 12 FT
- **Certification:** Kynar PVDF 740 Resin is approved for use in food contact applications in compliance with FDA regulation 21 CFR 177.1550 / Kynar PVDF 740 Resin is certified to NSF 61 and 372