

**PEFLON**

TECHNICAL DATA

<https://peflon.com/>

FEP (fluorinated ethylene propylene) PF-301

**Product:** PF-301 has exceptional dielectric properties, low flammability is chemically inert, and has weatherability. It is a melt-processible copolymer of tetrafluoroethylene and hexafluoropropylene, without additives,

**Applications:** Tubes, piping, linings, bellows, valves, and other components for the chemical industry.

**Availability:** Net weight 25kg, single-layer, plastic bags.

#### TYPICAL PROPERTIES OF FEP PF-301 (Data not for specification purposes)

Properties	Test Method	Unit	PF-301
Melt Flow Rate	ASTM D2116	g/10 min	0.8-2.0
Specific Gravity	D792		2.14
Critical Shear Rate		1/s	22
Tensile Strength, 23 °C (73 °F) $\geq$	D638	MPa	30
Elongation at Break $\geq$	D638	%	320
Impact Strength, Notched Izod, 23 °C (73 °F)	D256	kJ/m <sup>2</sup>	No Break
Volatile Matter $\leq$	D570	%	0.01
Hardness, Shore Durometer	D2240	D2240	D56
Chemical Resistance	D543		Excellent
Melting Point	D4591/D3418	°C (°F)	260 (500)
Dissipation Factor, tg $\delta$ , 1 kHz	D150		0.00007
Relative Permittivity, 106Hz	D150		2.15

## CERTIFICATION

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- ROHS Certification
- REACH Certification
- SVHC Certification
- EU Approved

## PROCESSING

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FEP PF-301 resin can be processed by compression, and blow molding processes. For smooth feeding to extrusion equipment, it is supplied in 3 mm (0.12 in) pellets. The molding machines used for PF-301 should be constructed of high nickel alloy corrosion-resistant materials and be capable of operating at temperatures up to 400 °C (750 °F).

## STORAGE AND HANDLING

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The properties of FEP PF-301 resins are not affected by storage time. Ambient storage conditions should be designed to avoid airborne contamination and water condensation on the resin when opening and emptying the packaging.

## QUZHOU DFS CHEM CO., LTD.

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### LOCATION

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