

## TECHNICAL DATA

## FEP (fluorinated ethylene propylene) PF-306

**Product:** PF-306 is a melt-processible fluoroplastic resin available in pellet form. It is a copolymer of tetrafluoroethylene and hexafluoropropylene, without additives.

**Applications:** Small diameter, thin wall wire and cable insulations. Intricate or thin wall parts made by injection molding.

**Packing:** 25-kg, single-layer, plastic bags.

### TYPICAL PROPERTIES OF FEP PF-306 (Data not for specification purposes)

Properties	Test Method	Unit	PF-306
Melt Flow Rate	D2116	g/10 min	20.1-27
Specific Gravity	D792		2.12-2.17
Tensile Strength, 23 °C (73 °F) ≥	D638	MPa	24.0
Elongation at Break ≥	D638	%	340
Impact Strength, Notched Izod, 23 °C (73 °F)	D256	kJ/m <sup>2</sup>	No Break
Water Absorption	D570	%	< 0.01
Hardness, Shore Durometer	D2240	D2240	D56
Chemical Resistance	D543		Excellent
Melting Point	D4591/D3418	°C (°F)	255 (591)±10
Relative Permittivity, 1 GHz	D150		2.15
Volatile Matter ≤		%	0.01

## CERTIFICATION

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- PFOA Free, PFAS Free
- ROHS Certification
- REACH Certification
- SVHC Certification

## PROCESSING

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PF-306 resin can be processed by conventional melt extrusion, and by injection, compression, and blow molding processes. For smooth feeding to extrusion equipment, it is supplied in 3 mm (0.12 in) pellets. The extruders and molding machines used for PF1181 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-306 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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