PEFLON

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TECHNICAL DATA

FEP (fluorinated ethylene propylene) PF-303

Product: PF-303 is a melt-processible copolymer of tetrafluoroethylene and hexafluoropropylene, without additives.

Typical Applications: It is typically used for wire and cable insulation, small tubing, and injection molded parts.

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

TYPICAL PROPERTIES OF FEP PF-303 (Data not for specification purposes)

Properties	Test Method	Unit	PF-303
Melt Flow Rate	ASTM D2116	g/10 min	4.1-8.0
Specific Gravity	D792		2.12-2.117
Critical Shear Rate		1/s	22
Guide DDR Range for Cable Extrusion			60-120
Tensile Strength, 23 °C (73 °F) ≥	D638	MPa	25
Elongation at Break ≥	D638	%	340
Impact Strength, Notched Izod, 23 °C (73 °F)	D256	kJ/m2	No Break
Hardness, Shore Durometer	D2240	D2240	D56
Chemical Resistance	D543		Excellent
Melting Point	D4591/D3418	°C (°F)	260 (500)
Relative Permittivity, 1 GHz	D150		2.15
volatile matter ≤		%	0.01

CERTIFICATION

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

PROCESSING

PF-303 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 PF-303 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

The properties of FEP PF-303 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.

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