PEFLON

https://peflon.com/

TECHNICAL DATA

FEP (fluorinated ethylene propylene) PF-304

Product: PF-304 is a melt-processible copolymer of tetrafluoroethylene and hexafluoropropylene, without additives.

Typical Applications: Wire and cable insulation, small tubing, and injection molded parts.

Packing: It is packaged in 25-kg, single-layer, plastic bags.

TYPICAL PROPERTIES OF FEP PF-304 (Data not for specification purposes)

Properties	Test Method	Unit	PF-304
Melt Flow Rate	D2116	g/10 min	8.1-12.0
Specific Gravity	D792		2.12-2.17
Guide DDR Range for Cable Extrusion			60-120
Tensile Strength, 23 °C (73 °F) ≥	D638	MPa	23
Elongation at Break ≥	D638	%	330
Impact Strength, Notched Izod, 23 °C (73 °F)	D256	kJ/m2	No Break
Water Absorption	D570	%	< 0.01
Hardness, Shore Durometer	D2240	D2240	D56
Chemical Resistance	D543		Excellent
Melting Point	D4591/D3418	°C (°F)	265 (505)
Relative Permittivity, 106Hz	D150		2.15
Volatile Matter ≤		%	0.01

CERTIFICATION

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

PROCESSING

PF-304 resin can be processed by conventional melt extrusion, and by injection, 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-304 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-304 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.

LOCATION
NO 288, Qinjiang East Road, Kecheng
Quzhou, Zhejiang, China

CONTACT US
Phone: +86 570 2969501
Email: info@peflon.com