PEFLON

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TECHNICAL DATA

FEP (fluorinated ethylene propylene) PF-313H

Product: PF-313H has exceptional dielectric properties and low flammability, is chemically inert and has weatherability. It is a melt-processible copolymer of tetrafluoroethylene and hexafluoropropylene, without additives.

Applications: Film or heat shrink tubing processing.

Characteristics: Superior crack resistance.

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

TYPICAL PROPERTIES OF FEP PF-313H (Data not for specification purposes)

Properties	Test Method	Unit	PF-313H
Melt Flow Rate	ASTM D2116	g/10 min	5.1-12.0
Tensile Stress, ≥		MPa	22.0
Fracture Strain, ≥		%	310
Relative Gravity	D792		2.12-2.17
Melting Point		°C	260 ±10
Dielectric Constant (10^6Hz), ≤	D150	/	2.15
Dissipation Factor (10^6Hz), ≤	D150	/	7.0×10^{-4}
MIT, cycles, ≥		cycles	15000

CERTIFICATION

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

PROCESSING

FEP PF-313H resin can be processed by compression molding, injection molding and extrusion processes. For smooth feeding to extrusion equipment, it is supplied in 3 mm (0.12 in) pellets. The molding machines used for PF-313H 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-313H 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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