FEP Resin for General Purpose

Description

Perfluorinated ethylene-propylene (FEP) is a copolymer of tetrafluoroethylene (TFE) and hexafluoropropylene (HFP) with excellent thermo-stability, outstanding chemical inertness, low friction coefficient, distinctive air aging resistance, vapor penetrating resistance, non-inflammability and superior electrical insulation. It is nearly stabilized in rather wide ranges of temperature and frequency. The thermoplastic process techniques can be used to fabricate useful products from FEP.

Specification

Grade	FZ-1	FZ-2	FZ-3	FZ-4
Appearance	Clean semitransparent granules			
Melt Flow Rate, g/10min	0.8-2.0	2.1-4.0	4.1-8.0	8.1-12.0
Tensile Strength, MPa ≥	27	25	21	21
Elongation, %	320	300	300	280
Melting Point, ℃	265±10			
S.S.G	2.12-2.17			
Volatile, % ≤	0.10			
Processing	Extrusion, Compression, Transfer Molding	Extrusion	Extrusion, Injection	Extrusion, Injection
Characteristics & Applications	Excellent stress cracking resistance, for anti-corrosion liners and products	Good stress cracking resistance, for thick-wall pipes and jackets.	Films and tubes	Films, small tubes and products.

Package

Packed in a double layer PE bag, and then packed in a cardboard drum. N.W. 20kgs each drum.

Transportation & Storage

It should be stored in a clean, cool and dry warehouse. Avoid contamination by dust and moisture. It's transported as non-hazardous goods.

Precaution

The processing temperature mustn't be over 400℃ to avoid toxic analyzed gases that may produce.

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