

MATERIAL DATA SHEET



Grade FP10EK

Product Description

This product is non free flow compound containing Aromatic Polyester LCP Filler (10 % by weight) blended in PTFE Resin

Physical Properties

Property	Test Method	Units	Value
Bulk Density	ASTM D 4745	g/cc	
Specific Gravity	ASTM D 4745		2.05
Hardness	ASTM D 2240	Shore D	59-63
Tensile Strength	ASTM D 4745	Psi	3000
Elongation	ASTM D 4745	%	260
Diametrical Shrinkage	INTERNAL	%	2.0-3.0
Recommended Moulding Pressure			300-350
Max. Sintering Temperature			360-365 °C

Product Advantages:

LCP Filled PTFE has excellent wear resistance and extrusion resistance. LCP Filled PTFE also has improved stability at high temperature and has very low coefficient of friction. It is FDA approval for food applications

Typical Applications:

- Wear Resistant Seals in aggressive applications,
- Compressor Parts like Piston Rings and Rider Rings for bone dry applications
- High Temperature pump and valve components

Delivery Process:

The material is sealed in two-layer plastic bag inside a rigid 30 kg drum. It is highly recommended to condition resin at 18°C for 10 hrs prior to processing to achieve optimal properties

Note: Technical Information, test data and advice provided by Fluoropolymer Blends are based on information and tests we believe to be reliable and are intended for persons with knowledge and technical skills enough to analyse test types and apply adequate safety factors for the given application. Because actual application conditions vary widely, these values are intended for comparative purposes only and the suitability of this material is ultimately left to the end user.

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