

Tipco Tipcolene® FPT 20 FR VO LTHA - UL94-V0 Flame Retardant, 20% Talc Polypropylene Homopolymer, Long Term Heat Stability

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

20% Talc Reinforced PP Homopolymer with Long Term Heat Stability Applications: Electrical & Appliances Processing: Injection Molding Information provided by the Manufacturer, Tipco Industries Ltd., India.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Tipco-Tipcolene-FPT-20-FR-VO-LTHA-UL94-V0-Flame-Retardant-20-Talc-Polypropylene-Homopolymer-Long-Term-Heat-Stability.php

Physical Properties	Metric	English	Comments
Density	1.31 g/cc	0.0473 lb/in ³	ASTM D792
Linear Mold Shrinkage	0.012 cm/cm	0.012 in/in	ASTM D955
Melt Flow	5.0 g/10 min	5.0 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	26.0 MPa	3770 psi	ASTM D638
Elongation at Break	>= 10 %	>= 10 %	ASTM D638
Flexural Yield Strength	44.0 MPa	6380 psi	ASTM D790
Flexural Modulus	3.37 GPa	489 ksi	ASTM D790
Izod Impact, Notched (ISO)	3.00 kJ/m ²	1.43 ft-lb/in ²	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	115 °C	239 °F	ASTM D648
Flammability, UL94	V-0 @Thickness 3.20 mm	V-0 @Thickness 0.126 in	
Oxygen Index	28 %	28 %	ISO 4589

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