

Tipco Tipcolene® FX 4000 - UL94-V0 Flame Retardant Polypropylene Copolymer, High Impact Strength

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

V-0 Flame Retardant PP Copolymer with High Impact Strength
Applications: Battery Housings
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-FX-4000-UL94-V0-Flame-Retardant-Polypropylene-Copolymer-High-Impact-Strength.php

Physical Properties	Metric	English	Comments
Density	1.19 g/cc	0.0430 lb/in ³	ASTM D792
Linear Mold Shrinkage	0.0125 cm/cm	0.0125 in/in	ASTM D955
Melt Flow	10 g/10 min	10 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	20.5 MPa	2970 psi	ASTM D638
Elongation at Break	>= 80 %	>= 80 %	ASTM D638
Flexural Yield Strength	27.5 MPa	3990 psi	ASTM D790
Flexural Modulus	1.37 GPa	199 ksi	ASTM D790
Izod Impact, Notched (ISO)	12.0 kJ/m ²	5.71 ft-lb/in ²	ASTM D256

Thermal Properties	Metric	English	Comments
Flammability, UL94	V-0 @Thickness 3.20 mm	V-0 @Thickness 0.126 in	
Oxygen Index	28 %	28 %	ISO 4589

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