

Tipco Tipcofil® KMX 800 FR - UL94-V0 Flame Retardant, Highly Filled PBT/PC Alloy, with High Heat Stability

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polyester, TP , Polybutylene Terephthalate (PBT)

Material Notes:

Highly Filled, Flame Retardant PBT/PC Alloy, for Injection Molding of "Ceramic Effect" Parts 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-Tipcofil-KMX-800-FR-UL94-V0-Flame-Retardant-Highly-Filled-PBTPC-Alloy-with-High-Heat-Stability.php

Physical Properties	Metric	English	Comments
Density	1.90 g/cc	0.0686 lb/in ³	ASTM D792
Linear Mold Shrinkage	0.010 cm/cm	0.010 in/in	ASTM D955
Melt Flow	45 g/10 min	45 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	60.0 MPa	8700 psi	ASTM D638
Elongation at Break	>= 5.0 %	>= 5.0 %	ASTM D638
Flexural Yield Strength	100 MPa	14500 psi	ASTM D790
Flexural Modulus	4.70 GPa	682 ksi	ASTM D790
Izod Impact, Notched (ISO)	4.00 kJ/m ²	1.90 ft-lb/in ²	ASTM D256
Izod Impact, Unnotched (ISO)	30.0 kJ/m ²	14.3 ft-lb/in ²	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	220 °C	428 °F	ASTM D648
Vicat Softening Point	200 °C	392 °F	ASTM D1525
Flammability, UL94	V-0 @Thickness 3.20 mm	V-0 @Thickness 0.126 in	

Processing Properties	Metric	English	Comments
Processing Temperature	270 °C	518 °F	
Rear Barrel Temperature	250 °C	482 °F	
Middle Barrel Temperature	260 °C	500 °F	

Processing Properties	Metric	English	Comments
Front Barrel Temperature	275 °C	525 °F	
Nozzle Temperature	265 °C	509 °F	
Mold Temperature	105 °C	221 °F	
Drying Temperature	90.0 °C	194 °F	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China