

Teknor Apex HFFR 2004 Polyolefin, Halogen Free

Category : Polymer , Thermoplastic , Polyolefin , Polyolefin, Wire/Cable Grade

Material Notes:

Notes: RoHS Compliant Features: Flame Retardant; Halogen Free Uses: Communication Wire Jacketing; Electronic Cable Jacketing; Security Cable Jacketing Agency Ratings: IEC Unspecified Rating; ICEA Unspecified Rating Processing Method: Extrusion Forms: Pellets Additional Information: Ultimate Elongation Retained, UL 1581, Oven Aged, 7 days, 100Â°C: 80% Tensile Strength Retained, UL 1581, Oven Aged, 7 days, 100Â°C: 107% Cone Calorimeter at 50 kW/m2, Peak Heat Release Rate: 134 kW/m2 Cone Calorimeter at 50 kW/m2, Total Heat Released: 166 MJ/m2 Cone Calorimeter at 50 kW/m2, Peak Smoke: 0.6 1/m Cone Calorimeter at 50 kW/m2, Time to Sustained Ignition: 142 sec Information Provided by Teknor Apex

Order this product through the following link:

http://www.lookpolymers.com/polymer_Teknor-Apex-HFFR-2004-Polyolefin-Halogen-Free.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.52 g/cc	1.52 g/cc	ASTM D792
Melt Flow	0.300 g/10 min @Load 10.0 kg, Temperature 190 Â°C	0.300 g/10 min @Load 22.0 lb, Temperature 374 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	65	65	10 seconds; ASTM D2240
Tensile Strength at Break	16.8 MPa	2430 psi	ASTM D638
Elongation at Break	100 %	100 %	ASTM D638

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-25.0 Â°C	-13.0 Â°F	ASTM D746
Oxygen Index	48 %	48 %	ASTM D2863

Electrical Properties	Metric	English	Comments
Volume Resistivity	6.60e+14 ohm-cm	6.60e+14 ohm-cm	ASTM D257
Dielectric Constant	3.72 @Frequency 1000 Hz	3.72 @Frequency 1000 Hz	ASTM D150
Dissipation Factor	0.0040 @Frequency 1000 Hz	0.0040 @Frequency 1000 Hz	ASTM D150

Descriptive Properties	Value	Comments
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Contact Songhan Plastic Technology Co.,Ltd.

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