

Teknor Apex HFFR 2005PC Polyolefin, Halogen Free

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

Material 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; UL QMTT2 . E200337 Processing Method: Extrusion Forms: Pellets Additional Information: Ultimate Elongation Retained, UL 1581, Oven Aged, 7 days, 100Å°C: 86% Tensile Strength Retained, UL 1581, Oven Aged, 7 days, 100Å°C: 106% Cone Calorimeter at 50 kW/m2, Peak Heat Release Rate: 266 kW/m2 Cone Calorimeter at 50 kW/m2, Total Heat Released: 195 MJ/m2 Cone Calorimeter at 50 kW/m2, Peak Smoke: 2.0 l/m Cone Calorimeter at 50 kW/m2, Time to Sustained Ignition: 106 sec Information Provided by Teknor Apex

Order this product through the following link:

http://www.lookpolymers.com/polymer_Teknor-Apex-HFFR-2005PC-Polyolefin-Halogen-Free.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.32 g/cc	1.32 g/cc	ASTM D792
Melt Flow	15.0 g/10 min @Load 10.0 kg, Temperature 190 Å°C	15.0 g/10 min @Load 22.0 lb, Temperature 374 Å°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	46	46	10 seconds; ASTM D2240
Tensile Strength at Break	13.8 MPa	2000 psi	ASTM D638
Elongation at Break	270 %	270 %	ASTM D638

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-50.0 Å°C	-58.0 Å°F	ASTM D746
Oxygen Index	34 %	34 %	ASTM D2863

Electrical Properties	Metric	English	Comments
Volume Resistivity	6.40e+14 ohm-cm	6.40e+14 ohm-cm	ASTM D257
Dielectric Constant	3.4 @Frequency 1000 Hz	3.4 @Frequency 1000 Hz	ASTM D150
Dissipation Factor	0.0020 @Frequency 1000 Hz	0.0020 @Frequency 1000 Hz	ASTM D150

Descriptive Properties	Value	Comments
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Descriptive Properties

Value

Comments

Contact Songhan Plastic Technology Co.,Ltd.

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