

Teknor Apex HFFR 2003PC 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; Plenum Cable Jacketing Agency Ratings: IEC Unspecified Rating; UL QMTT2 .E200337; ICEA Unspecified Rating
 Processing Method: Extrusion Forms: Pellets Additional Information: Acid Gas, MIL-C-24643: < 5.0 mg Acidity of Gases, IEC-754-2: < 6.0 pH
 Conductivity: < 2.0 ÅµS/cm Smoke Index, NES-711: < 10.0 Toxicity Index, NES-713: 0.085 Cone Calorimeter at 50 kW/m2, Peak Heat Release Rate: 507 kW/m2 Cone Calorimeter at 50 kW/m2, Total Heat Released: 199 MJ/m2 Cone Calorimeter at 50 kW/m2, Peak Smoke: 2.9 1/m Cone Calorimeter at 50 kW/m2, Time to Sustained Ignition: 88 secInformation Provided by Teknor Apex

Order this product through the following link:

http://www.lookpolymers.com/polymer_Teknor-Apex-HFFR-2003PC-Polyolefin-Halogen-Free.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.28 g/cc	1.28 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	38	38	10 seconds; ASTM D2240
Tensile Strength at Break	12.4 MPa	1800 psi	ASTM D638
Elongation at Break	550 %	550 %	ASTM D638

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-46.0 Å°C	-50.8 Å°F	ASTM D746
Oxygen Index	35 %	35 %	ASTM D2863

Electrical Properties	Metric	English	Comments
Volume Resistivity	8.50e+12 ohm-cm	8.50e+12 ohm-cm	ASTM D257
Dielectric Constant	3.52	3.52	ASTM D150
	@Frequency 1000 Hz	@Frequency 1000 Hz	
Dissipation Factor	0.0041	0.0041	ASTM D150
	@Frequency 1000 Hz	@Frequency 1000 Hz	

Descriptive Properties	Value	Comments
Appearance	Opaque	

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