

Teknor Apex Fireguard® 910L16-C13-NL Polyvinyl Chloride, Flexible

Category : Polymer , Thermoplastic , Vinyl (PVC) , PVC, Flexible Grade , PVC, Wire and Cable Grade

Material Notes:

Notes: RoHS Compliant Features: Flame Retardant; Low Smoke Emission Uses: Plenum Cable Jacketing Wire Types: CL2P; CL3P; CMP; FPLP; MPP; OFNP Agency Ratings: NEC Article 725; NEC Article 760; NEC Article 770; NEC Article 800; UL 13; UL 1424; UL 1651; UL 444; UL QMTT2 .E200337 Processing Method: Extrusion Forms: PelletsAdditional Notes: Dynamic Heat Stability at 205Â°C, 100 rpm, 72 gr. #5 Bowl (Minutes to Decomposition): 20 Kayness ACR at 370Â°F, 1000 sec-1: 424 Pa-s Peak Heat Release Rate: 75 kW/m2 Average Heat Release Rate: 46 kW/m2 Total Heat Released: 55 MJ/m2 Average Heat of Combustion: 9.3 MJ/kg Average Specification Extinction Area: 117 m2/kg Peak Smoke: 0.6 l/mInformation Provided by Teknor Apex

Order this product through the following link:

http://www.lookpolymers.com/polymer_Teknor-Apex-Fireguard-910L16-C13-NL-Polyvinyl-Chloride-Flexible.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.65 g/cc	1.65 g/cc	ASTM D792
Viscosity	473000 cP @Frequency 1000 Hz, Temperature 177 Â°C	473000 cP @Frequency 1000 Hz, Temperature 351 Â°F	Melt Viscosity; ASTM D3835

Mechanical Properties	Metric	English	Comments
Hardness, Shore C	86	86	10 seconds; ASTM D2240
	91	91	ASTM D2240
Tensile Strength at Break	15.9 MPa	2300 psi	ASTM D638
Elongation at Break	200 %	200 %	ASTM D638

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	75.0 Â°C	167 Â°F	Continuous Use; ASTM D794
Brittleness Temperature	-9.00 Â°C	15.8 Â°F	ASTM D746
Oxygen Index	51 %	51 %	ASTM D2863

Electrical Properties	Metric	English	Comments
Dielectric Constant	3.74 @Frequency 1.00e+6 Hz	3.74 @Frequency 1.00e+6 Hz	ASTM D150
	4.51 @Frequency 1000 Hz	4.51 @Frequency 1000 Hz	ASTM D150

Electrical Properties	Metric	English	Comments
Dissipation Factor	@Frequency 1.00e+6 Hz	@Frequency 1.00e+6 Hz	ASTM D150
	0.056	0.056	ASTM D150
	@Frequency 1000 Hz	@Frequency 1000 Hz	

Processing Properties	Metric	English	Comments
Melt Temperature	193 Â°C	380 Â°F	

Descriptive Properties	Value	Comments
Appearance	Opaque	

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