

Teknor Apex Fireguard® 910L16-C1A-NL1 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: Pellets Additional Notes: Dynamic Heat Stability at 205°C, 100 rpm, 72 gr. #5 Bowl (Minutes to Decomposition): 34 Kayness ACR at 370°F, 1000 sec-1: 315 Pa-s Kayness ACR at 370°F, 100 sec-1: 1243 Pa-s Peak Heat Release Rate: 120 kW/m2 Average Heat Release Rate: 69 kW/m2 Total Heat Released: 65 MJ/m2 Average Heat of Combustion: 10.3 MJ/kg Average Specification Extinction Area: 316 m2/kg Peak Smoke: 1.91 l/m Information Provided by Teknor Apex

Order this product through the following link:

http://www.lookpolymers.com/polymer_Teknor-Apex-Fireguard-910L16-C1A-NL1-Polyvinyl-Chloride-Flexible.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.62 g/cc	1.62 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore C	80	80	10 seconds; ASTM D2240
	89	89	ASTM D2240
Tensile Strength at Break	14.5 MPa	2100 psi	ASTM D638
Elongation at Break	270 %	270 %	ASTM D638

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	60.0 °C	140 °F	Continuous Use; ASTM D794
Brittleness Temperature	-25.0 °C	-13.0 °F	ASTM D746
Oxygen Index	51 %	51 %	ASTM D2863

Electrical Properties	Metric	English	Comments
Dielectric Constant	3.58	3.58	ASTM D150
	@Frequency 1.00e+6 Hz	@Frequency 1.00e+6 Hz	
Dissipation Factor	4.56	4.56	ASTM D150
	@Frequency 1000 Hz	@Frequency 1000 Hz	
Dissipation Factor	0.038	0.038	ASTM D150
	@Frequency 1.00e+6 Hz	@Frequency 1.00e+6 Hz	

Electrical Properties	Metric	English	Comments
	@Frequency 1000 Hz	@Frequency 1000 Hz	ASTM D130

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

Descriptive Properties	Value	Comments
Appearance	Opaque	

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