

Teknor Apex Fireguard[®] 910-LBF Polyvinyl Chloride, Flexible

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

Material Notes:

RoHS Compliant Features: Bromine Free; Flame Retardant; Low Smoke Emission Uses: Insulation; 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 Information: Cone Calorimeter, Peak Heat Release Rate: 106 kW/m² Cone Calorimeter, Average Heat Release Rate: 59 kW/m² Cone Calorimeter, Total Heat Released: 70 MJ/m² Cone Calorimeter, Average Specific Extinction Area: 348 m²/kg Peak Smoke: 2 l/m Dynamic Heat Stability at 205[°]F, 100 RPM, 72 gr. #5 Bowl: 37 min to decomposition Kayeness ACR at 350[°]F: 271 Pa-sInformation Provided by Teknor Apex

Order this product through the following link:

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

Physical Properties	Metric	English	Comments
Specific Gravity	1.58 g/cc	1.58 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore C	87	87	10 seconds; ASTM D2240
	92	92	ASTM D2240
Tensile Strength at Break	17.7 MPa	2570 psi	ASTM D638
Elongation at Break	190 %	190 %	ASTM D638

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	60.0 [°] C	140 [°] F	Continuous Use; ASTM D794
Brittleness Temperature	-5.00 [°] C	23.0 [°] F	ASTM D746
Oxygen Index	43 %	43 %	ASTM D2863

Electrical Properties	Metric	English	Comments
Dielectric Constant	3.49	3.49	ASTM D150
	@Frequency 1.00e+6 Hz	@Frequency 1.00e+6 Hz	
Dissipation Factor	4.47	4.47	ASTM D150
	@Frequency 1000 Hz	@Frequency 1000 Hz	
Dissipation Factor	0.033	0.033	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	196 Â°C	385 Â°F	

Descriptive Properties	Value	Comments
Appearance	Opaque	

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