

## Teknor Apex Fireguard® 910-FOB-NL1 Polyvinyl Chloride, Flexible

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

### Material Notes:

Uses: Plenum Cable Jacketing; Wire and Cable Applications Agency Ratings: UL QMTT2 .E200337 Forms: Pellets Additional Information: Dynamic Heat Stability at 205°C, 100 rpm, 72 gr. #5 Bowl (Minutes to Decomposition): 57 Kayness ACR at 350°F, 1000 sec-1: 290 Pa-s Cone Calorimeter at 75 kW/m2, Peak Heat Release Rate: 111 kW/m2 Average Heat Release Rate: 60 kW/m2 Total Heat Released: 77 MJ/m2 Average Heat of Combustion: 13.5 MJ/kg Average Specification Extinction Area: 325 m2/kg Peak Smoke: 2.3 l/m Information Provided by Teknor Apex

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Teknor-Apex-Fireguard-910-FOB-NL1-Polyvinyl-Chloride-Flexible.php](http://www.lookpolymers.com/polymer_Teknor-Apex-Fireguard-910-FOB-NL1-Polyvinyl-Chloride-Flexible.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.60 g/cc	1.60 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore C	83	83	10 seconds; ASTM D2240
Tensile Strength at Break	17.2 MPa	2500 psi	ASTM D638
Elongation at Break	200 %	200 %	ASTM D638

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	75.0 °C	167 °F	Continuous Use; ASTM D794
Brittleness Temperature	-8.00 °C	17.6 °F	ASTM D746
Oxygen Index	42 %	42 %	ASTM D2863

Electrical Properties	Metric	English	Comments
Dielectric Constant	3.59	3.59	ASTM D150
	@Frequency 1.00e+6 Hz	@Frequency 1.00e+6 Hz	
Dielectric Strength	4.65	4.65	ASTM D150
	@Frequency 1000 Hz	@Frequency 1000 Hz	
Dissipation Factor	30.3 kV/mm	770 kV/in	ASTM D149
Dissipation Factor	0.035	0.035	ASTM D150
	@Frequency 1.00e+6 Hz	@Frequency 1.00e+6 Hz	
	0.083	0.083	

Electrical Properties

Metric  
@ Frequency 1000 Hz

English  
@ Frequency 1000 Hz

ASTM D150  
Comments

## Contact Songhan Plastic Technology Co.,Ltd.

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