

## Teknor Apex Fireguard® 910-A10-NL2 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 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 QM TT2 .E200337 Processing Method: Extrusion Forms: Pellets Additional Information: Cone Calorimeter, Peak Heat Release Rate: 108 kW/m<sup>2</sup> Cone Calorimeter, Average Heat Release Rate: 65 kW/m<sup>2</sup> Cone Calorimeter, Total Heat Released: 64 MJ/m<sup>2</sup> Cone Calorimeter, Average Heat of Combustion: 10.2 MJ/kg Cone Calorimeter, Average Specific Extinction Area: 425 m<sup>2</sup>/kg Peak Smoke: 2.5 l/m Dynamic Heat Stability at 205°F, 100 RPM, 72 gr. #5 Bowl: 31 min to decomposition Kayeness ACR at 350°F: 271 Pa-s-Information Provided by Teknor Apex

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Teknor-Apex-Fireguard-910-A10-NL2-Polyvinyl-Chloride-Flexible.php](http://www.lookpolymers.com/polymer_Teknor-Apex-Fireguard-910-A10-NL2-Polyvinyl-Chloride-Flexible.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.59 g/cc	1.59 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	17.9 MPa	2600 psi	ASTM D638
Elongation at Break	200 %	200 %	ASTM D638

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	60.0 °C	140 °F	Continuous Use; ASTM D794
Brittleness Temperature	-4.00 °C	24.8 °F	ASTM D746
Oxygen Index	47 %	47 %	ASTM D2863

Electrical Properties	Metric	English	Comments
Dielectric Constant	3.52	3.52	ASTM D150
	@Frequency 1.00e+6 Hz	@Frequency 1.00e+6 Hz	
Dissipation Factor	4.57	4.57	ASTM D150
	@Frequency 1000 Hz	@Frequency 1000 Hz	
Dissipation Factor	0.045	0.045	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	

## Contact Songhan Plastic Technology Co.,Ltd.

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