

Fireguard® 910L16-C13-NL

Teknor Apex Company - Flexible Polyvinyl Chloride

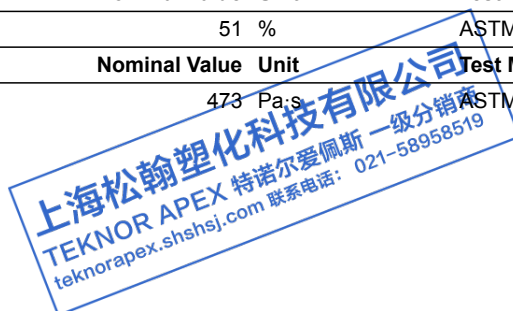
Friday, June 30, 2017

General Information

General			
Material Status	• Commercial: Active		
Availability	• Europe		
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 QMTM2
RoHS Compliance	• RoHS Compliant		
Appearance	• Opaque		
Forms	• Pellets		
Processing Method	• Extrusion		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.65		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	2300	psi	ASTM D638
Tensile Elongation (Break)	200	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore C	91		
Shore C, 10 sec	86		
Thermal	Nominal Value	Unit	Test Method
Continuous Use Temperature	167	°F	ASTM D794
Brittleness Temperature	15.8	°F	ASTM D746
Electrical	Nominal Value	Unit	Test Method
Dielectric Constant			ASTM D150
1 kHz	4.51		
1 MHz	3.74		
Dissipation Factor			ASTM D150
1 kHz	0.056		
1 MHz	0.039		
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	51	%	ASTM D2863
Fill Analysis	Nominal Value	Unit	Test Method
Melt Viscosity (351°F, 1000 sec ⁻¹)	473	Pa·s	ASTM D3835



Revision Date: 6/15/2010

The information and recommendations contained in this bulletin are, to the best of our knowledge, accurate and reliable but no guarantee of their accuracy is made. All products are sold upon condition that purchasers shall make their own tests to determine the suitability of such products for their particular purposes and uses and purchasers assume all risks and liability for the results of use of the products, including use in accordance with seller's recommendations. Nothing in this bulletin constitutes permission or a recommendation to practice or use any invention covered by any patent owned by this company or by others. There is no warranty of merchantability and there are no other warranties for the products described.

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Additional Information

Av.Sp. Extinction Area: 117 m²/kg
Avg. Heat of Combustion: 9.3 MJ/kg
Avg. Heat Rel. Rate: 46 kw/m²
Dynamic Heat Stability, 205°C, 100 rpm, 72 gms: 20
Kayeness ACR, 370°F, 1000 sec-1: 424 PA-sec
Peak Heat Rel. Rate: 75 kw/m²
Peak Smoke: 0.60 l/m
TA Six Digit Description: 0116452
Total Heat Rel'd: 55 MJ/m²

Processing Information

Extrusion	Nominal Value	Unit
Melt Temperature	380	°F

Notes

¹ Typical properties: these are not to be construed as specifications.

Teknor Apex Company Corporate Headquarters

*In U.S. for Vinyls, TPEs, Colorants,
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