

# FIREGUARD® 910L16-C13-NL

Teknor Apex Company - Flexible Polyvinyl Chloride

Wednesday, August 28, 2019

## 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 <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density / 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 <sup>-1</sup> )	473	Pa·s	ASTM D3835

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**+852-695-75415**

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#### Additional Information

Av.Sp. Extinction Area: 117 m<sup>2</sup>/kg  
Avg. Heat of Combustion: 9.3 MJ/kg  
Avg. Heat Rel. Rate: 46 kw/m<sup>2</sup>  
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/m<sup>2</sup>  
Peak Smoke: 0.60 l/m  
TA Six Digit Description: 0116452  
Total Heat Rel'd: 55 MJ/m<sup>2</sup>

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#### Processing Information

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Extrusion	Nominal Value	Unit
Melt Temperature	380	°F

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#### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.

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Revision Date: 6/15/2010

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