

# Fireguard® 910-L16-C6-NL2

Teknor Apex Company - Flexible Polyvinyl Chloride

Friday, June 30, 2017

## General Information

### General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Uses	• Plenum Cable Jacketing	• Wire & Cable Applications	
Agency Ratings	• UL QMTM2		
RoHS Compliance	• RoHS Compliant		
Forms	• Pellets		

## ASTM & ISO Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.65		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	1800	psi	ASTM D638
Tensile Elongation (Break)	200	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore C	88		
Shore C, 10 sec	81		
Thermal	Nominal Value	Unit	Test Method
Continuous Use Temperature	167	°F	ASTM D794
Brittleness Temperature	-4.00	°F	ASTM D746
Electrical	Nominal Value	Unit	Test Method
Dielectric Constant (1 MHz)	3.73		ASTM D150
Dissipation Factor (1 MHz)	0.042		ASTM D150
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	45	%	ASTM D2863

### Additional Information

Av.Sp. Extinction Area: 262 m<sup>2</sup>/kg  
 Avg. Heat of Combustion: 12.54 MJ/kg  
 Avg. Heat Rel. Rate: 67 kw/m<sup>2</sup>  
 Dynamic Heat Stability, 205°C, 100 rpm, 72 gms: 44  
 Kayeness ACR, 370°F, 1000 sec-1: 417 PA-sec  
 Peak Heat Rel. Rate: 111 kw/m<sup>2</sup>  
 Peak Smoke: 1.1  
 Specific Gravity, ASTM D792: 1.63 to 1.67 sp gr 23/23°C  
 TA Six Digit Description: 116-474  
 Total Heat Rel'd: 62 MJ/m<sup>2</sup>

### Notes

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



Revision Date: 12/12/2013

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## Teknor Apex Company - Flexible Polyvinyl Chloride

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