

FIREGUARD® 910-A10-NL2

Teknor Apex Company - Flexible Polyvinyl Chloride

Wednesday, August 28, 2019

General Information

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
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 QMTM2
RoHS Compliance	• RoHS Compliant		
Appearance	• Opaque		
Forms	• Pellets		
Processing Method	• Extrusion		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.59		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	2600	psi	ASTM D638
Tensile Elongation (Break)	200	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore C, 10 sec, Hand Held	87		
Shore D, 10 sec, Operating Stand	62		
Thermal	Nominal Value	Unit	Test Method
Continuous Use Temperature	167	°F	ASTM D794
Brittleness Temperature	24.8	°F	ASTM D746
Electrical	Nominal Value	Unit	Test Method
Dielectric Constant			ASTM D150
1 kHz	4.57		
1 MHz	3.52		
Dissipation Factor			ASTM D150
1 kHz	0.069		
1 MHz	0.045		
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	47	%	ASTM D2863

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Additional Information

Cone Calorimeter, Peak Heat Release Rate: 108 kW/m²
Cone Calorimeter, Average Heat Release Rate: 65 kW/m²
Cone Calorimeter, Total Heat Released: 64 MJ/m²
Cone Calorimeter, Average Heat of Combustion: 10.2 MJ/kg
Cone Calorimeter, Average Specific Extinction Area: 425 m²/kg
Cone Calorimeter, Peak Smoke: 2.5 l/m
Kayeness ACR, 370°F, 1000 sec-1: 295 PA-sec
Dynamic Heat Stability @ 205°, 100 RPM, 72 gr. #5 Bowl: 31 min to Decomposition

Data Sheet Applies to Color(s) Listed Below:

Natural (0109775, 010977551)

White 1398 (1070944)

White 1488 (109227451)

Processing Information

Extrusion	Nominal Value	Unit
Melt Temperature	385	°F

Notes

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

Revision Date: 8/13/2019

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