

FIREGUARD® 910-LBF

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	• Bromine Free	• Flame Retardant	• Low Smoke Emission
Uses	• Insulation	• 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
Density / Specific Gravity	1.58		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	2570	psi	ASTM D638
Tensile Elongation (Break)	190	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore C	92		
Shore C, 10 sec	87		
Thermal	Nominal Value	Unit	Test Method
Continuous Use Temperature	167	°F	ASTM D794
Brittleness Temperature	23.0	°F	ASTM D746
Electrical	Nominal Value	Unit	Test Method
Dielectric Constant			ASTM D150
1 kHz	4.47		
1 MHz	3.49		
Dissipation Factor			ASTM D150
1 kHz	0.072		
1 MHz	0.033		
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	43	%	ASTM D2863

Additional Information

Cone Calorimeter, Peak Heat Release Rate: 106 kW/m²
Cone Calorimeter, Average Heat Release Rate: 59 kW/m²
Cone Calorimeter, Total Heat Released: 70 MJ/m²
Cone Calorimeter, Average Specific Extinction Area: 348 m²/kg
Cone Calorimeter, Peak Smoke: 2 l/m
Dynamic Heat Stability @ 205°, 100 RPM, 72 gr. #5 Bowl: 37 min to Decomposition
Kayeness ACR @ 370°F: 271 Pa-s
TA Six-Digit Code: 128-702

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Processing Information

Extrusion	Nominal Value	Unit
Melt Temperature	385	°F

Notes

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

Revision Date: 12/12/2013

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