

Fireguard® 910-FOB-NL1

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		
Forms	• Pellets		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.60		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	2500	psi	ASTM D638
Tensile Elongation (Break)	200	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore C, 10 sec)	83		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Continuous Use Temperature	167	°F	ASTM D794
Brittleness Temperature	17.6	°F	ASTM D746
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	770	V/mil	ASTM D149
Dielectric Constant			ASTM D150
1 kHz	4.65		
1 MHz	3.59		
Dissipation Factor			ASTM D150
1 kHz	0.083		
1 MHz	0.035		
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	42	%	ASTM D2863

Additional Information

Dynamic Heat Stability @ 205C, 100 RPM, 72 gr.#5 Bowl (Min.s to decomposition) - 57

Kayeness ACR @350F, 1000 sec -1 (Pa-sec) = 290

Cone Calorimeter @ 75 kW/m2

Peak Heat Release Rate (kw/m2) = 111

Avg. Heat Release Rate (kw/m2) = 60

Total Heat Released (MJ/m2) = 77

Avg. Heat of Combustion (MJ/kg) = 13.5

Avg. Specification Extinction Area (m2/kg) = 325

Peak Smoke (l/m) = 2.3

Notes

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

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