



FIREGUARD® 910-A10B-NL1

Teknor Apex Company - Flexible Polyvinyl Chloride

General Information

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• 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		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.57		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	2280	psi	ASTM D638
Tensile Elongation (Break)	220	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore C	88		
Shore C, 10 sec	82		
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	5.00	°F	ASTM D746
Electrical	Nominal Value	Unit	Test Method
Dielectric Constant			ASTM D150
1 kHz	4.94		
1 MHz	3.65		
Dissipation Factor			ASTM D150
1 kHz	0.083		
1 MHz	0.033		
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	39	%	ASTM D2863

Additional Information

Av.Sp. Extinction Area: 461 m²/kg
Avg. Heat of Combustion: 13.9 MJ/kg
Avg. Heat Rel. Rate: 59 kw/m²
Dynamic Heat Stability, 205°C, 100 rpm, 72 gms: 58
Peak Heat Rel. Rate: 111 kw/m²
Peak Smoke: 2.5
Kayeness ACR, 370°F, 1000 sec-1: 268 PA-sec
Specific Gravity, ASTM D792: 1.55 to 1.59 sp gr 23/23°C
TA Six Digit Description: 108-443
Total Heat Rel'd: 81 MJ/m²