TA TEKNOR APEX

Fireguard® 910-A10-NL2

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	
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
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	92		
Shore C, 10 sec	87		

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

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 1/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
TA Six-Digit Code: 109-775

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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.