+135-3858-6433 (GuangDong)
+188-1699-6168 (ShangHai)
+852-6957-5415 (HongKong)

TEKNOR APEX

Fireguard® 910-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		
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)	2550	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	85		
Thermal	**Nominal Value**	**Unit**	**Test Method**
Continuous Use Temperature	167	°F	ASTM D794
Brittleness Temperature	21.2	°F	ASTM D746
Electrical	**Nominal Value**	**Unit**	**Test Method**
Dielectric Strength	840	V/mil	ASTM D149
Dielectric Constant			ASTM D150
1 kHz	4.67		
1 MHz	3.62		
Dissipation Factor			ASTM D150
1 kHz	0.080		
1 MHz	0.035		
Flammability	**Nominal Value**	**Unit**	**Test Method**
Oxygen Index	45	%	ASTM D2863

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Additional Information

Av.Sp. Extinction Area: 273 m²/kg
Avg. Heat of Combustion: 13.8 MJ/kg
Avg. Heat Rel. Rate: 64 kw/m²
Dynamic Heat Stability, 205°C, 100 rpm, 72 gms: 50
Kayeness ACR, 370°F, 1000 sec-1: 258 PA-sec

Peak Heat Rel. Rate: 119 kw/m²
Peak Smoke: 2.3
Specific Gravity, ASTM D792: 1.57 to 1.61 sp gr 23/23°C
TA Six Digit Description: 108-124
Total Heat Rel'd: 78 MJ/m²

Processing Information

Extrusion	Nominal Value	Unit
Melt Temperature	385	°F

Notes

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