TEKNOR APEX

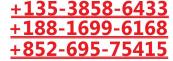
FIREGUARD® 910-NL1

Teknor Apex Company - Flexible Polyvinyl Chloride

General Information						
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Material Status	Commercial: Active					
Availability	Africa & Middle East	Europe	North America			
	 Asia Pacific 	 Latin America 	North America			
Features	Flame Retardant	Low Smoke Emission				
Uses	Insulation	Plenum Cable Jacketing				
	• CL2P	CMP	MPP			
Wire Types	• CL3P	FPLP	OFNP			
	NEC Article 725	NEC Article 800	• UL 1651			
Agency Ratings	NEC Article 760	• UL 13	• UL 444			
	NEC Article 770	• UL 1424	UL QMTM2			
RoHS Compliance	 RoHS Compliant 					
Appearance	• Opaque					
Forms	Pellets					
Processing Method	Extrusion					

<u>+135-3858-6433</u> +188-1699-6168 +852-695-75415

ASTM & ISO Properties ¹				
Physical	Nominal Value	Unit	Test Method	
Density / Specific Gravity	1.59		ASTM D792	
Mechanical	Nominal Value	Unit	Test Method	
Tensile Strength (Break)	2390	psi	ASTM D638	
Tensile Elongation (Break)	250	%	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	12.2	°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	46	%	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 Melt Temperature Nominal Value Unit 385 °F

Notes

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

Revision Date: 5/30/2019

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