

SMOKEGUARD™ III 1091-A1 NATURAL

Polyvinyl Chloride

AlphaGary

Message:

A HIGHLY FLAME RETARDED, LEAD FREE, LOW SMOKE INSULATING COMPOUND FOR PLENUM CABLE CONSTRUCTIONS REQUIRING COMPLIANCE TO U.L. SUBJECT 910 MODIFIED STEINER TUNNEL TEST.

General Information			
Features	Flame Retardant		
	Low (to None) Lead Content		
	Low Smoke Emission		
Uses	Plenum Cable Jacketing		
Agency Ratings	UL Unspecified Rating		
Appearance	Natural Color		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.55 to 1.59	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	64 to 70		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D412
0.381 mm	17.2	MPa	
1.91 mm	15.2	MPa	
Tensile Elongation			ASTM D412
Break, 1.91 mm	210	%	
Break, 0.381 mm	190	%	
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-3.00	°C	ASTM D746
Electrical	Nominal Value	Unit	Test Method
Dielectric Constant (23°C, 100 MHz)	3.30		ASTM D150
Dissipation Factor (23°C, 100 MHz)	0.016		ASTM D150
Flammability	Nominal Value	Unit	Test Method
Oxygen Index (3.18 mm)	49	%	ASTM D2863
Smoke	5.0	%	ASTM D4100

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