

SMOKEGUARD™ O 301 NATURAL

Polyolefin

AlphaGary

Message:

SMOKEGUARD O-301 IS A PLENUM CABLE INSULATION SKIN COMPOUND.

General Information			
Uses	Ceiling compartment cable sheath material		
Appearance	Natural color		
Forms	Particle		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.21 - 1.27	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shaw D	54 - 60		ASTM D2240
Shaw D, 15 seconds	44 - 50		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (0.762 mm)	17.2	MPa	ASTM D412
Tensile Elongation (Break, 0.762 mm)	500	%	ASTM D412
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-25.0	°C	ASTM D746
Electrical	Nominal Value	Unit	Test Method
Dielectric Constant			ASTM D150
23°C, 1 MHz	2.65		ASTM D150
23°C, 100 MHz	2.82		ASTM D150
Dissipation Factor			ASTM D150
23°C, 1 MHz	9.0E-4		ASTM D150
23°C, 100 MHz	1.0E-4		ASTM D150
Flammability	Nominal Value	Unit	Test Method
Oxygen Index (3.18 mm)	30	%	ASTM D2863
Extrusion	Nominal Value	Unit	
Drying Temperature	85.0	°C	
Drying Time	2.0	hr	
Cylinder Zone 1 Temp.	193	°C	
Cylinder Zone 2 Temp.	193	°C	
Cylinder Zone 3 Temp.	199	°C	
Cylinder Zone 4 Temp.	199	°C	
Adapter Temperature	204	°C	
Melt Temperature	204 - 210	°C	

Die Temperature	204	°C
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Extrusion instructions

Screw Design: General purpose screwScreen Pack: 40/60/40 or 40/80/40

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Recommended distributors for this material

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