

SMOKEGUARD™ O 405 NATURAL

Polyolefin

AlphaGary

Message:

A 105°C RATED, FLAME RETARDED THERMOPLASTIC INSULATION AND SPLINE COMPOUND INTENDED FOR COMMUNICATIONS CABLE.

General Information			
Features	Flame Retardant		
Uses	Cable Jacketing		
	Communication Wire Insulation		
Appearance	Natural Color		
Forms	Pellets		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.27 to 1.31	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	9.2	g/10 min	ASTM D1238
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (0.762 mm)	11.0	MPa	ASTM D412
Tensile Elongation (Break, 0.762 mm)	30	%	ASTM D412
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air ¹ (136°C, 168 hr)	0.0	%	UL Unspecified
Change in Ultimate Elongation in Air ² (136°C, 168 hr)	0.0	%	UL Unspecified
Electrical	Nominal Value	Unit	Test Method
Dielectric Constant (23°C, 100 MHz)	2.77		ASTM D150
Dissipation Factor (23°C, 100 MHz)	1.1E-3		ASTM D150
Flammability	Nominal Value	Unit	Test Method
Oxygen Index (3.18 mm)	28	%	ASTM D2863
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	182	°C	
Cylinder Zone 2 Temp.	193	°C	
Cylinder Zone 3 Temp.	199	°C	
Cylinder Zone 4 Temp.	204	°C	
Cylinder Zone 5 Temp.	210	°C	
Adapter Temperature	210	°C	
Melt Temperature	204 to 216	°C	
Die Temperature	210	°C	
Extruder Screw Compression Ratio	3.5:1.0		

NOTE

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|----|-------------------|
| 1. | Thickness: 30 mil |
| 2. | Thickness: 30 mil |

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