

SMOKEGUARD™ HP 700 NATURAL

Fluoropolymer
AlphaGary

Message:

SMOKEGUARD HP 700 IS A HIGH PERFORMANCE PERFLUOROPOLYMER COMPOUND WITH EXCELLENT FLAME AND SMOKE PROPERTIES INTENDED FOR DIFFICULT CABLE CONSTRUCTIONS AND TEST REQUIREMENTS.

General Information			
Features	Flame retardancy		
Uses	Cable sheath		
Appearance	Natural color		
Forms	Particle		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	2.75 - 2.79	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shaw D	64 - 70		ASTM D2240
Shaw D, 15 seconds	56 - 62		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (0.762 mm)	14.5	MPa	ASTM D412
Tensile Elongation (Break, 0.762 mm)	280	%	ASTM D412
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-52.0	°C	ASTM D746
Flammability	Nominal Value	Unit	Test Method
Oxygen Index (3.18 mm)	99	%	ASTM D2863
Extrusion	Nominal Value	Unit	
Drying Temperature	105	°C	
Drying Time	4.0	hr	
Cylinder Zone 1 Temp.	282	°C	
Cylinder Zone 2 Temp.	293	°C	
Cylinder Zone 3 Temp.	304	°C	
Cylinder Zone 4 Temp.	316	°C	
Adapter Temperature	316	°C	
Melt Temperature	316 - 327	°C	
Die Temperature	316	°C	
Extruder Screw L/D Ratio	24.0:1.0		
Extruder Screw Compression Ratio	2.5:1.0		
Drop down	6.0:1.0 to 20.0:1.0		
Extrusion instructions			

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

