

MEGOLON™ HF 8030 NATURAL

Thermoplastic

AlphaGary

Message:

A 90°C RATED, ZERO HALOGEN INSULATION COMPOUND INTENDED FOR COMMUNICATION CABLES.

General Information			
Features	Halogen-free		
Uses	Communication wire insulation material		
Appearance	Natural color		
Forms	Particle		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.16 - 1.20	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/5.0 kg)	2.5	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shaw D	54 - 60		ASTM D2240
Shaw D, 15 seconds	45 - 51		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (0.762 mm)	13.1	MPa	ASTM D412
Tensile Elongation (Break, 0.762 mm)	600	%	ASTM D412
Tear Strength (Split)	18	kN/m	ASTM D470
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air ¹ (121°C, 168 hr)	-5.0	%	UL Unspecified
Change in Ultimate Elongation in Air ² (121°C, 168 hr)	-10	%	UL Unspecified
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-40.0	°C	ASTM D746
Electrical	Nominal Value	Unit	Test Method
Dielectric Constant			ASTM D150
23°C, 1 MHz	2.70		ASTM D150
23°C, 100 MHz	2.75		ASTM D150
23°C, 1.00 GHz	2.60		ASTM D150
Dissipation Factor			ASTM D150
23°C, 1 MHz	9.0E-4		ASTM D150
23°C, 100 MHz	4.0E-4		ASTM D150
23°C, 1.00 GHz	3.0E-4		ASTM D150
Flammability	Nominal Value	Unit	Test Method
Oxygen Index (3.18 mm)	28	%	ASTM D2863

Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	154	°C
Cylinder Zone 2 Temp.	166	°C
Cylinder Zone 3 Temp.	171	°C
Cylinder Zone 4 Temp.	177	°C
Cylinder Zone 5 Temp.	182	°C
Adapter Temperature	182	°C
Melt Temperature	177 - 188	°C
Die Temperature	182	°C
Extruder Screw Compression Ratio	3.5:1	

Extrusion instructions

Maddocks mixing screwBarrier mixing screw

NOTE

1. Thickness: 30 mil
2. Thickness: 30 mil

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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



WECHAT