

MEGOLON™ HF 8110 LD NATURAL UV

Thermoplastic

AlphaGary

Message:

A THERMOPLASTIC, ZERO-HALOGEN, UV RESISTANT, FLAME RETARDED, 60°C RATED, OLEFINIC JACKETING COMPOUND INTENDED FOR TELECOMMUNICATIONS CABLE (IEC 332-1).

General Information			
Features	Good UV resistance		
	Halogen-free		
	Flame retardancy		
Uses	Communication Cable Jacketing		
Agency Ratings	IEC not rated		
Appearance	Natural color		
Forms	Particle		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.50 - 1.54	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/10.0 kg)	10 - 16	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shaw D	59 - 65		ASTM D2240
Shaw D, 15 seconds	49 - 55		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (0.762 mm)	11.0	MPa	ASTM D412
Tensile Elongation (Break, 0.762 mm)	150	%	ASTM D412
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air ¹ (100°C, 168 hr)	10	%	UL Unspecified
Change in Ultimate Elongation in Air ² (100°C, 168 hr)	-25	%	UL Unspecified
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-15.0	°C	ASTM D746
Hot pressing test-% Loss (80°C)	35	%	IEC 811-3-1
Extruder Screw Compression Ratio	1.5:1.0 to 2.5:1.0		
Electrical	Nominal Value	Unit	Test Method
Dielectric Constant (23°C, 100 MHz)	3.50		ASTM D150
Dissipation Factor (23°C, 100 MHz)	0.013		ASTM D150
Flammability	Nominal Value	Unit	Test Method

Oxygen Index (3.18 mm)	34	%	ASTM D2863
Extrusion	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	2.0	hr	
Cylinder Zone 1 Temp.	154	°C	
Cylinder Zone 2 Temp.	160	°C	
Cylinder Zone 3 Temp.	166	°C	
Cylinder Zone 4 Temp.	171	°C	
Cylinder Zone 5 Temp.	171	°C	
Adapter Temperature	177	°C	
Melt Temperature	171 - 182	°C	
Die Temperature	177	°C	
Extrusion instructions			
Barrier ScrewScreen Pack: 20/20 or 20/40			
NOTE			
1.	Thickness: 30 mil		
2.	Thickness: 30 mil		

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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

