

MEGOLON™ HF 8037 DD NATURAL

Thermoplastic

AlphaGary

Message:

MEGOLON HF 8037 DD IS AN OIL RESISTANT, LOW DIE DROOL, HALOGEN FREE FLAME RETARDANT JACKETING COMPOUND.

General Information			
Features	Flame Retardant		
	Halogen Free		
	Oil Resistant		
Uses	Cable Jacketing		
Appearance	Natural Color		
Forms	Pellets		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.52 to 1.58	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/10.0 kg)	0.40	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A	89 to 95		
Shore A, 15 sec	82 to 88		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (0.762 mm)	11.7	MPa	ASTM D638
Tensile Elongation (Break, 0.762 mm)	300	%	ASTM D638
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air ¹			UL Unspecified
121°C, 168 hr	15	%	
136°C, 168 hr	15	%	
Change in Ultimate Elongation in Air ²			UL Unspecified
121°C, 168 hr	-10	%	
136°C, 168 hr	-20	%	
Change in Tensile Strength			
50°C, 24 hr ³	10	%	MIL C-24643
100°C, 24 hr ⁴	-10	%	MIL C-24643
121°C, 18 hr, in ASTM #2 Oil ⁵	15	%	UL Unspecified
Change in Ultimate Elongation			
50°C, 24 hr ⁶	-15	%	MIL C-24643
100°C, 24 hr ⁷	-5.0	%	MIL C-24643

121°C, 18 hr, in ASTM #2 Oil ⁸	-5.0	%	UL Unspecified
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-28.0	°C	ASTM D746
Hot Pressure Test - % Loss (80°C)	12	%	IEC 811-3-1
NBS Smoke Density			ASTM E662
Flaming, Dm : 2.54 mm	82.0		
Non-Flaming, Dm : 2.54 mm	146		
Smoke Index	8.00		NES 711
Flammability	Nominal Value	Unit	Test Method
Oxygen Index (3.18 mm)	40	%	ASTM D2863
NOTE			
1.	Thickness: 30 mil		
2.	Thickness: 30 mil		
3.	in MIL-L-17672, Thickness: 30 mil		
4.	in MIL-L-17331, Thickness: 30 mil		
5.	Thickness: 30 mil		
6.	in MIL-L-17672, Thickness: 30 mil		
7.	in MIL-L-17331, Thickness: 30 mil		
8.	Thickness: 30 mil		

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