

# MEGOLON HF 8030 NATURAL

## Alphagary - Thermoplastic

### General Information

#### Product Description

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

#### General

Features	• Flame Retardant	• Halogen Free
Uses	• Communication Wire Insulation	• Insulation
Appearance	• Natural Color	• Wire & Cable Applications
Processing Method	• Wire & Cable Extrusion	

### Properties<sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.18		ASTM D792
Melt Mass-Flow Rate (MFR)			ASTM D1238
190°C/10.0 kg	11	g/10 min	
190°C/5.0 kg	2.5	g/10 min	
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (0.0300 in)	1900	psi	ASTM D412
Tensile Elongation (Break, 0.0300 in)	600	%	ASTM D412
Tear Strength (Split)	110	lbf/in	ASTM D470
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore D, Instant	57		
Shore D, 15 sec	48		
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature <sup>2</sup>	-40.0	°F	ASTM D746
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air <sup>3</sup> (250°F, 168 hr)	-5.0	%	UL Unspecified
Change in Ultimate Elongation in Air <sup>3</sup> (250°F, 168 hr)	-10	%	UL Unspecified
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength (73°F)	890 900	V/mil	ASTM D149
Dielectric Constant			ASTM D150
73°F, 1 MHz	2.70		
73°F, 100 MHz	2.75		
73°F, 1.00 GHz	2.60		
Dissipation Factor			ASTM D150
73°F, 1 MHz	9.0E-4		
73°F, 100 MHz	4.0E-4		
73°F, 1.00 GHz	3.0E-4		
Flammability	Nominal Value	Unit	Test Method
Oxygen Index (0.125 in)	28	%	ASTM D2863