

# MEGOLON HF 8037 DD NATURAL

Alphagary - Thermoplastic

## General Information

### Product Description

AN OIL RESISTANT, LOW DIE DROOL, HALOGEN FREE, FLAME RETARDED JACKETING COMPOUND.

### General

Features	• Flame Retardant	• Halogen Free	• Oil Resistant
Uses	• Cable Jacketing	• Wire & Cable Applications	
Appearance	• Natural Color		
Processing Method	• Wire & Cable Extrusion		

## Properties<sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.55		ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/10.0 kg)	0.60	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (0.0300 in)	1700	psi	ASTM D638
Tensile Elongation (Break, 0.0300 in)	300	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A, Instant	91		
Shore A, 15 sec	85		
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature <sup>2</sup>	-13.0	°F	ASTM D746
Hot Pressure Test - % Loss (176°F)	12	%	IEC 811-3-1
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air <sup>3</sup>			UL Unspecified
250°F, 168 hr	15	%	
277°F, 168 hr	15	%	
Change in Ultimate Elongation in Air <sup>3</sup>			UL Unspecified
250°F, 168 hr	-10	%	
277°F, 168 hr	-20	%	
Change in Tensile Strength			
122°F, 24 hr <sup>4</sup>	10	%	MIL C-24643
212°F, 24 hr <sup>5</sup>	-10	%	MIL C-24643
250°F, 18 hr, in IRM 902 Oil <sup>3</sup>	15	%	UL Unspecified
Change in Ultimate Elongation			
122°F, 24 hr <sup>4</sup>	-15	%	MIL C-24643
212°F, 24 hr <sup>5</sup>	-5.0	%	MIL C-24643
250°F, 18 hr, in IRM 902 Oil <sup>3</sup>	-5.0	%	UL Unspecified
Flammability	Nominal Value	Unit	Test Method
Oxygen Index (0.125 in)	40	%	ASTM D2863

## MEGOLON HF 8037 DD NATURAL

### Alphagary - Thermoplastic

Flammability	Nominal Value	Unit	Test Method
NBS Smoke Density			ASTM E662
Flaming, Dm : 0.10 in	82.0		
Non-Flaming, Dm : 0.10 in	146		
Smoke Index	8.00		NES 711

#### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.

<sup>2</sup> F50

<sup>3</sup> Thickness: 30 mil

<sup>4</sup> in MIL-L-17672, Thickness: 30 mil

<sup>5</sup> in MIL-L-17331, Thickness: 30 mil