

Hylon® N1040MGHL

PA66-(GF+MX)40

Ravago Manufacturing Americas

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.0055	mm/mm	ASTM D 955
Mechanical properties			
	dry / cond	Unit	Test Standard
ASTM Data			
Tensile Strength at Yield	131 / 87.6	MPa	ASTM D 638
Elongation at Break	2 / 5	%	ASTM D 638
Flexural Modulus	8960 / 3450	MPa	ASTM D 790
Flexural Strength	186 / 131	MPa	ASTM D 790
Rockwell Hardness	M 98 / M 80	-	ASTM D 785
Izod Impact notched, 1/8 in	59 / 69	J/m	ASTM D 256
Thermal properties			
	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	1.5	mm	-
Coefficient of Thermal Expansion, MD	31	E-6/K	ASTM D 696
DTUL @ 66 psi	260	°C	ASTM D 648
DTUL @ 264 psi	235	°C	ASTM D 648
Electrical properties			
	dry / cond	Unit	Test Standard
ASTM Data			
Dielectric Strength, Short Time	19 / -	kV/mm	ASTM D 149
Volume Resistivity	1E14 / -	Ohm*cm	ASTM D 257
Other properties			
	Value	Unit	Test Standard
Water Absorption, 24hr	0.8	%	ASTM D 570
Density	1490	kg/m ³	ASTM D 792

Characteristics**Delivery form**

Pellets

Features

Low Warpage

Additives

Lubricants

Regional Availability

North America

Special Characteristics

Heat stabilized or stable to heat