

**Hylon® N2033L**

PA6-GF33

Ravago Manufacturing Americas

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Mold Shrinkage, MD	<b>0.003</b>	mm/mm	ASTM D 955
<b>Mechanical properties</b>			
	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Tensile Strength at Yield	<b>193 / 127</b>	MPa	ASTM D 638
Elongation at Break	<b>3 / 6</b>	%	ASTM D 638
Flexural Modulus	<b>9450 / 5120</b>	MPa	ASTM D 790
Flexural Strength	<b>276 / 179</b>	MPa	ASTM D 790
Rockwell Hardness	<b>R 121 /</b>	-	ASTM D 785
Izod Impact notched, 1/8 in	<b>120 / 230</b>	J/m	ASTM D 256
<b>Thermal properties</b>			
	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
UL 94 Flame rating	<b>HB</b>	-	UL 94
Thickness tested	<b>1.5</b>	mm	-
Coefficient of Thermal Expansion, MD	<b>38</b>	E-6/K	ASTM D 696
DTUL @ 264 psi	<b>210</b>	°C	ASTM D 648
<b>Electrical properties</b>			
	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Dielectric Strength, Short Time	<b>28 / -</b>	kV/mm	ASTM D 149
Volume Resistivity	<b>1E14 / -</b>	Ohm*cm	ASTM D 257
<b>Other properties</b>			
	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Water Absorption, 24hr	<b>1.1</b>	%	ASTM D 570
Density	<b>1380</b>	kg/m <sup>3</sup>	ASTM D 792

**Characteristics****Processing**

Injection Molding

**Additives**

Lubricants

**Delivery form**

Pellets, Natural Color

**Regional Availability**

North America