

**Hylon® N1035HHR**

PA66-GF33

Ravago Manufacturing Americas

<b>Processing/Physical Characteristics</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Molding shrinkage, parallel	0.4 / *	%	ISO 294-4, 2577
<b>ASTM Data</b>			
Mold Shrinkage, MD	0.004	mm/mm	ASTM D 955
<b>Mechanical properties</b>			
<b>ISO Data</b>			
Yield stress	201 / -	MPa	ISO 527
Strain at break	2.1 / -	%	ISO 527
Flexural modulus, 23°C	9800 / -	MPa	ISO 178
Izod notched impact strength, +23°C	11 / -	kJ/m <sup>2</sup>	ISO 180/1A
<b>ASTM Data</b>			
Tensile Strength at Yield	193 / -	MPa	ASTM D 638
Elongation at Break	2 / -	%	ASTM D 638
Flexural Modulus	9650 / -	MPa	ASTM D 790
Flexural Strength	276 / -	MPa	ASTM D 790
Rockwell Hardness	M 104 /	-	ASTM D 785
Izod Impact notched, 1/8 in	120 / -	J/m	ASTM D 256
<b>Thermal properties</b>			
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	244 / *	°C	ISO 75-1/-2
<b>ASTM Data</b>			
UL 94 Flame rating	HB	-	UL 94
DTUL @ 264 psi	246	°C	ASTM D 648
<b>Other properties</b>			
<b>dry / cond</b>			
Density	1400 / -	kg/m <sup>3</sup>	ISO 1183
Density	1400	kg/m <sup>3</sup>	ASTM D 792

**Characteristics****Processing**

Injection Molding

**Chemical Resistance**

Hydrolytically Stable

**Delivery form**

Pellets, Black, Natural Color

**Applications**

Automotive

**Special Characteristics**

Heat stabilized or stable to heat

**Regional Availability**

North America