

Hylon® N1033TL

PA66-GF33

Ravago Manufacturing Americas

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.5 / *	%	ISO 294-4, 2577
ASTM Data			
Mold Shrinkage, MD	0.004	mm/mm	ASTM D 955
Mechanical properties			
ISO Data			
Yield stress	126 / -	MPa	ISO 527
Strain at break	2.8 / -	%	ISO 527
Flexural modulus, 23°C	7300 / -	MPa	ISO 178
Izod notched impact strength, +23°C	14 / -	kJ/m ²	ISO 180/1A
ASTM Data			
Tensile Strength at Yield	128 / 103	MPa	ASTM D 638
Elongation at Break	2.5 / -	%	ASTM D 638
Flexural Modulus	6890 / 4480	MPa	ASTM D 790
Flexural Strength	200 / 159	MPa	ASTM D 790
Rockwell Hardness	M 93 / M 83	-	ASTM D 785
Izod Impact notched, 1/8 in	150 / 140	J/m	ASTM D 256
Thermal properties			
ISO Data			
Temp. of deflection under load, 1.80 MPa	238 / *	°C	ISO 75-1/-2
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	1.5	mm	-
Coefficient of Thermal Expansion, MD	29	E-6/K	ASTM D 696
DTUL @ 264 psi	241	°C	ASTM D 648
Electrical properties			
ASTM Data			
Dielectric Strength, Short Time	22 / -	kV/mm	ASTM D 149
Volume Resistivity	1E15 / -	Ohm*cm	ASTM D 257
Other properties			
Density	1340 / -	kg/m ³	ISO 1183
Water Absorption, 24hr	0.5	%	ASTM D 570
Density	1340	kg/m ³	ASTM D 792

Characteristics**Processing**

Injection Molding

Additives

Lubricants

Delivery form

Pellets

Regional Availability

North America