

Hylon® N1013STL

PA66-GF13

Ravago Manufacturing Americas

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.8 / *	%	ISO 294-4, 2577
ASTM Data			
Mold Shrinkage, MD	0.0065	mm/mm	ASTM D 955
Mechanical properties			
ISO Data			
Yield stress	86 / -	MPa	ISO 527
Strain at break	3.5 / -	%	ISO 527
Flexural modulus, 23°C	3600 / -	MPa	ISO 178
Izod notched impact strength, +23°C	15 / -	kJ/m ²	ISO 180/1A
ASTM Data			
Tensile Strength at Yield	89.6 / 55.2	MPa	ASTM D 638
Elongation at Break	3.2 / 8	%	ASTM D 638
Flexural Modulus	3620 / 2410	MPa	ASTM D 790
Flexural Strength	138 / 48.3	MPa	ASTM D 790
Rockwell Hardness	M 80 /	-	ASTM D 785
Izod Impact notched, 1/8 in	170 / 210	J/m	ASTM D 256
Thermal properties			
ISO Data			
Temp. of deflection under load, 1.80 MPa	231 / *	°C	ISO 75-1/-2
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	1.5	mm	-
Coefficient of Thermal Expansion, MD	36	E-6/K	ASTM D 696
DTUL @ 264 psi	226	°C	ASTM D 648
Other properties			
dry / cond			
Density	1180 / -	kg/m ³	ISO 1183
Water Absorption, 24hr	0.7	%	ASTM D 570
Density	1180	kg/m ³	ASTM D 792

Characteristics**Processing**

Injection Molding

Additives

Lubricants

Delivery form

Pellets

Regional Availability

North America