

Hylon® N1000

PA66

Ravago Manufacturing Americas

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.015	mm/mm	ASTM D 955
Mechanical properties			
	dry / cond	Unit	Test Standard
ASTM Data			
Tensile Strength at Yield	82.7 / -	MPa	ASTM D 638
Elongation at Break	30 / 200	%	ASTM D 638
Flexural Modulus	3030 / 1310	MPa	ASTM D 790
Flexural Strength	114 / 40.7	MPa	ASTM D 790
Rockwell Hardness	M 85 /	-	ASTM D 785
Izod Impact notched, 1/8 in	53 / 130	J/m	ASTM D 256
Thermal properties			
	dry / cond	Unit	Test Standard
ISO Data			
Burning behav. at thickness h	V-2 / *	class	IEC 60695-11-10
Thickness tested	3.0 / *	mm	-
ASTM Data			
UL 94 Flame rating	V-2	-	UL 94
Thickness tested	1.5	mm	-
Coefficient of Thermal Expansion, MD	83	E-6/K	ASTM D 696
DTUL @ 66 psi	238	°C	ASTM D 648
DTUL @ 264 psi	87.8	°C	ASTM D 648
Electrical properties			
	dry / cond	Unit	Test Standard
ASTM Data			
Dielectric Strength, Short Time	23 / -	kV/mm	ASTM D 149
Volume Resistivity	1E15 / -	Ohm*cm	ASTM D 257
Other properties			
	Value	Unit	Test Standard
Water Absorption, 24hr	1.3	%	ASTM D 570
Density	1140	kg/m ³	ASTM D 792

Characteristics**Processing**

Injection Molding

Applications

General Purpose

Delivery form

Pellets, Black, Natural Color

Regional Availability

North America