

Hylon® N1033EL BK002

PA66-GF33

Ravago Manufacturing Americas

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.004	mm/mm	ASTM D 955
Mechanical properties			
	dry / cond	Unit	Test Standard
ASTM Data			
Tensile Strength at Yield	172 / 131	MPa	ASTM D 638
Elongation at Break	2 / 3	%	ASTM D 638
Flexural Modulus	8830 / 6210	MPa	ASTM D 790
Flexural Strength	248 / 193	MPa	ASTM D 790
Rockwell Hardness	M 98 / M 85	-	ASTM D 785
Izod Impact notched, 1/8 in	91 / 110	J/m	ASTM D 256
Thermal properties			
	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	0.762	mm	-
Coefficient of Thermal Expansion, MD	23	E-6/K	ASTM D 696
DTUL @ 264 psi	243	°C	ASTM D 648
Electrical properties			
	dry / cond	Unit	Test Standard
ASTM Data			
Dielectric Strength, Short Time	20 / -	kV/mm	ASTM D 149
Volume Resistivity	1E15 / -	Ohm*cm	ASTM D 257
Other properties			
	Value	Unit	Test Standard
Water Absorption, 24hr	0.7	%	ASTM D 570
Density	1390	kg/m ³	ASTM D 792

Characteristics**Delivery form**

Pellets, Black

Special Characteristics

Heat stabilized or stable to heat

Additives

Lubricants

Regional Availability

North America