

Hylon® N1033 Series

N1033H, N1033L, N1033HL, N1033HLUV2, N1033EL, N1033EHL

Nylon 66

Ravago Manufacturing Americas



Product Description

Nylon 66, 33% Glass Filled

Property	Test Method	Value DAM	Cond. 50% RH	Units
Physical				
Specific Gravity	ISO 1138	1.38		-
Water Absorption (24 hr, Immersed)	ISO 62	0.7		%
Shrinkage (Flow Direction, 1/8 in.)±	ISO 294-4	0.3-0.5		%
Mechanical				
Strength at Break	ISO 527-1	193		MPa
Strain at Break	ISO 527-1	2.0		%
Flexural Modulus	ISO 178	9300		MPa
Flexural Strength	ISO 178	269		MPa
Notched Izod Impact	ISO 180	7		kJ/m ²
Hardness (M-Scale)	ISO 2039	-		-
Thermal				
Heat Deflection Temperature				
0.45 MPa	ISO 75-2/B	-		°C
1.80 MPa	ISO 72-2/A	243		°C
Flammability				File Number E157012
Flammability Classification	UL 94			
1.5 mm		HB		-
3.0 mm		HB		-

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All data displayed herein has been obtained via testing of injected molded specimens of natural color. Pigmentation may affect certain properties to various degrees.

± Shrinkage data are general guidelines and are only intended to allow comparison to other materials. They should not be used as the sole source of information for generating core and cavity mold dimensions.

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