

# Hylon® N1035HL BK310

Nylon 66

Ravago Manufacturing Americas



## Product Description

Nylon 66, 35% Glass Filled

Property	Test Method	Value DAM	Cond. 50% RH	Units
<b>Physical</b>				
Specific Gravity	ISO 1138	1.41		-
Water Absorption (24 hr, Immersed)	ISO 62	0.7		%
Shrinkage (Flow Direction, 1/8 in.)‡	ISO 294-4	0.3-0.5		%
<b>Mechanical</b>				
Strength at Break	ISO 527-1	210	145	MPa
Strain at Break	ISO 527-1	3.0	5.0	%
Flexural Modulus	ISO 178	9,900	7000	MPa
Flexural Strength	ISO 178	300	200	MPa
Notched Izod Impact	ISO 180	12		kJ/m <sup>2</sup>
Unnotched Izod Impact	ISO 180	72		kJ/m <sup>2</sup>
Hardness (M-Scale)	ISO 2039	98	85	-
<b>Thermal</b>				
Heat Deflection Temperature				
0.45 MPa	ISO 75-2/B	260		°C
1.80 MPa	ISO 72-2/A	250		°C
<b>Electrical</b>				
Dielectric Strength	IEC 60243	20		kV/mm
Volume Resistivity	IEC 60093	1.0E+16		ohm-cm
<b>Flammability</b>				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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