

HYLON® N2033HL BK

Polyamide 6

Ravago Manufacturing Americas



Product Description

PA 6, 33% Glass-fiber, Heat Stabilized, Lubricated, Black Color

Property	Test Method	Units	Dry	Conditioned 50% RH
Physical				
Specific Gravity	ISO 1183	—	1.40	—
Water Absorption (24 hr. Immersed)	ISO 62	%	0.8	—
Shrinkage (Flow Direction, 1/8 in.) ¹	ISO 294-4	%	0.3 – 0.5	—
Mechanical				
Strength at Break	ISO 527-1	MPa	157	99
Strain at Break	ISO 527-1	%	3	5
Flexural Modulus	ISO 178	MPa	9000	5670
Flexural Strength	ISO 178	MPa	262	162
Notched Izod Impact (23°C)	ISO 180	kJ/m ²	10	18
Notched Charpy Impact (23°C)	ISO 179	kJ/m ²	10	18
Thermal				
Heat Deflection Temperature				
0.45 MPa	ISO 75-2/B	°C	224	—
1.80 MPa	ISO 75-2/A	°C	212	—
Flammability				
Flammability Classification	UL 94			
1.5 mm		—	HB	—
3.0 mm		—	-	—

Datasheet

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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.

¹ 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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