

Hylon® N1035HL BK310

Nylon 66

Ravago Manufacturing Americas



Product Description

Nylon 66, 35% Glass Filled

Property	Test Method	Value DAM	Cond. 50% RH	Units
Physical				
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		%
Mechanical				
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 ²
Unnotched Izod Impact	ISO 180	72		kJ/m ²
Hardness (M-Scale)	ISO 2039	98	85	-
Thermal				
Heat Deflection Temperature				
0.45 MPa	ISO 75-2/B	260		°C
1.80 MPa	ISO 72-2/A	250		°C
Electrical				
Dielectric Strength	IEC 60243	20		kV/mm
Volume Resistivity	IEC 60093	1.0E+16		ohm-cm
Flammability				File Number
				E157012
Flammability Classification	UL 94			
1.5 mm		HB		-
3.0 mm		HB		-