



HYLON® N2030H2L BK310

Ravago Manufacturing Europe - Polyamide 6

General Information

Product Description

30% Glass Fibre Reinforced, Black Colour, Polyamid 6 Compound

Key Features: HYLON N2030H2L BK310 is a heat stabilized PA6 compound with excellent strength and stiffness

Process Method: Injection Moulding

Uses: Recommended for general applications and purposes

General

Material Status	• Commercial: Active	
Availability	• Europe	
Filler / Reinforcement	• Glass Fiber, 30% Filler by Weight	
Additive	• Heat Stabilizer	
Features	• General Purpose • Good Stiffness	• Good Strength • Heat Stabilized
Uses	• General Purpose	
Appearance	• Black	
Processing Method	• Injection Molding	

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.36	g/cm ³	ISO 1183/A
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	9500	MPa	ISO 527-1
Tensile Stress (Yield)	165	MPa	ISO 527-2
Tensile Stress (Break)	160	MPa	ISO 527-2
Tensile Strain (Break)	3.5	%	ISO 527-2
Flexural Modulus	7400	MPa	ISO 178
Flexural Stress	225	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			
--	11	kJ/m ²	ISO 179/1A
-38°C	6.5	kJ/m ²	ISO 179/1
Charpy Unnotched Impact Strength	70	kJ/m ²	ISO 179/1U
Notched Izod Impact Strength (23°C)	12	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength	60	kJ/m ²	ISO 180/1U

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Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 0.45 MPa, Unannealed	217	°C	ISO 75-2/B
Deflection Temperature Under Load 1.8 MPa, Unannealed	205	°C	ISO 75-2/A
Vicat Softening Temperature --	213	°C	ISO 306/B50
--	217	°C	ISO 306/A120
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index	450	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
1.6 mm		HB	
3.2 mm		HB	

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	90	°C
Drying Time	2.0 to 4.0	hr
Rear Temperature	235 to 240	°C
Middle Temperature	240 to 250	°C
Front Temperature	250 to 265	°C
Nozzle Temperature	250 to 265	°C
Mold Temperature	80	°C

Notes

¹ Typical properties: these are not to be construed as specifications.