+135-3858-6433 (GuangDong)
+188-1699-6168 (ShangHai)
+852-6957-5415 (HongKong)

HYLON® N2000 NAT

Ravago Manufacturing Europe - Polyamide 6

General Information

Product Description

Unfilled, Polyamide 6 Compound

Key Features: HYLON N2000 NAT is a general purpose PA6 compound with good strength and stiffness properties

Process Method: Injection Moulding

Uses: Recommended for general purposes and applications

General			
Material Status	• Commercial: Active		
Availability	• Europe		
Features	• General Purpose	• Good Stiffness	• High Strength
Uses	• General Purpose		
Appearance	• Natural Color		
Processing Method	• Injection Molding		

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density	1.13	g/cm³	ISO 1183/A
Relative Viscosity	2.66 to 2.74		ISO 307
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	2750	MPa	ISO 527-1
Tensile Stress (Break)	73.0	MPa	ISO 527-2
Tensile Strain (Break)	4.5	%	ISO 527-2
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength	6.0	kJ/m²	ISO 179/1A
Notched Izod Impact Strength (23°C)	5.5	kJ/m²	ISO 180/1A
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load			ISO 75-2/B
0.45 MPa, Unannealed	180	°C	
Deflection Temperature Under Load			ISO 75-2/A
1.8 MPa, Unannealed	65.0	°C	
Vicat Softening Temperature	215	°C	ISO 306/A120
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating			UL 94
1.6 mm	V-2		
3.2 mm	V-2		
Glow Wire Flammability Index			IEC 60695-2-12
1.0 mm	850	°C	
2.0 mm	850	°C	
3.0 mm	850	°C	

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Processing Information

Injection	Nominal Value	Unit
Drying Temperature	90	°C
Drying Time	2.0 to 4.0	hr
Rear Temperature	230 to 240	°C
Middle Temperature	235 to 245	°C
Front Temperature	240 to 250	°C
Nozzle Temperature	240 to 250	°C
Mold Temperature	80	°C

Notes

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