



## Hylon N2000 NAT

### Polyamide 6 Prime Compound

<b>Product Description :</b>	Unfilled, Polyamide 6 Compound
<b>Key Features :</b>	HYLON N2000 NAT is a general purpose PA6 compound with good strength and stiffness properties
<b>Process Method :</b>	Injection Moulding
<b>Uses :</b>	Recommended for general purposes and applications
<b>Revision Date :</b>	20.11.2023

	Value	Unit	Standard
<b>Physical</b>			
Density	1,13	gr / cm3	ISO 1183 1-A
Relative Viscosity	2.70 ± 0.04	*	ISO 307
<b>Mechanical</b>			
Tensile Stress at Break	73	MPa	ISO 527-1
Elongation at Yield	4,5	%	ISO 527-1
Tensile Modulus	2750	MPa	ISO 527-1
Izod Impact Strength (Notched) (23°C)	5,5	kJ/m2	ISO 180/1A
Charpy Impact Strength (Notched)	6	kJ/m2	ISO 179/1A
<b>Thermal</b>			
HDT (0.45 Mpa)	180	°C	ISO 75B
HDT (1.8 Mpa)	65	°C	ISO 75A
Vicat Softening Point (120°C/h & 10 N)	215	°C	ISO 306 Method A120
<b>Flammability</b>			
Flammability (1,6 mm)	V2	*	UL 94
Glow Wire Flammability Index GWFI (3 mm)	850	°C	IEC 60695-2-12
Glow Wire Flammability Index GWFI (1 mm)	850	°C	IEC 60695-2-12
Flammability ( 3,2 mm )	V2	*	UL 94



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Glow Wire Flammability Index GWFI (2 mm)	850	°C	IEC 60695-2-12
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#### Drying Condition

Drying Time(hr)	2-4
Drying Temperature(°C)	90

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#### Molding Condition (°C)

1st Zone (hopper)(°C)	230-240
2nd Zone(°C)	235-245
3rd Zone(°C)	240-250
Nozzle(°C)	240-250
Mold Temperature(°C)	80

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#### Important Notice;

The above results are obtained from the tests conducted in Ravago Petrokimya laboratories on injection molded ISO samples and cannot be used directly to determine end-use or design specification. Datasheet values represent a statistical average of product properties and they may be subject to change as new information becomes available. Customers and other users should make their own independent determination that the product is suitable for the intended use. Ravago Petrokimya accepts no responsibility for results obtained by the application of this information and disclaims all warranties that might arise in connection with this information.

Ex : BM150UF0J9000