



## Hylon N2000H2LFRB0 NAT

### Polyamide 6 Prime Compound

<b>Product Description :</b>	Unfilled, Halogen Free Flame Retardant, Polyamide 6 Compound
<b>Key Features :</b>	HYLON N2000H2LFRB0 NAT is UL 94 FR V0, heat stabilized PA6 compound with excellent toughness and stiffness properties
<b>Process Method :</b>	Injection molding
<b>Uses :</b>	Recommended for electrical applications
<b>Revision Date :</b>	01.01.2023

	Value	Unit	Standard
<b>Physical</b>			
Density	1,18	gr / cm3	ISO 1183 1-A
<b>Mechanical</b>			
Tensile Stress at Break	60	MPa	ISO 527-1
Yield Strength	70	MPa	ISO 527-1
Elongation at Yield	3,5	%	ISO 527-1
Tensile Modulus	3500	MPa	ISO 527-1
Izod Impact Strength (Notched) (23°C)	5	kJ/m2	ISO 180/1A
Charpy Impact Strength (Notched)	6	kJ/m2	ISO 179/1A
Izod Impact Strength (Unnotched)	80	kJ/m2	ISO 180/1A
<b>Flammability</b>			
Flammability (1,6 mm)	V0	*	UL 94
Glow Wire Flammability Index GWFI (3 mm)	960	°C	IEC 60695-2-12
Glow Wire Flammability Index GWFI (1 mm)	960	°C	IEC 60695-2-12
Flammability ( 3,2 mm )	V0	*	UL 94

#### Drying Condition

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



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#### Molding Condition (°C)

1st Zone (hopper)(°C)	220-225
2nd Zone(°C)	225-230
3rd Zone(°C)	230-235
Nozzle(°C)	230-235
Mold Temperature(°C)	80

#### Important Notice;

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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.