



Hylon N1000H2LFRB0 NT034

Polyamide 66 Prime Compound

Product Description : Unfilled, Halogen Free Flame Retardant, Polyamide 66 Compound

Key Features : HYLON N1000H2LFRB0 NT034 is UL94 FR V0 and heat stabilized PA66 compound with good mechanical and impact properties

Process Method : Injection Moulding

Uses : Recommended for E&E and automotive applications

Revision Date : 01.01.2024

	Value	Unit	Standard
Physical			
Density	1,18	gr / cm3	ISO 1183 1-A
Mechanical			
Tensile Stress at Break	72	MPa	ISO 527-1
Yield Strength	75	MPa	ISO 527-1
Elongation at Yield	4	%	ISO 527-1
Elongation at Break	7	%	ISO 527-1
Tensile Modulus	3600	MPa	ISO 527-1
Izod Impact Strength (Notched) (23°C)	3,5	kJ/m2	ISO 180/1A
Charpy Impact Strength (Notched)	3,5	kJ/m2	ISO 179/1A
Flexural Modulus	3000	Mpa	ISO 178
Flexural Strength	110	Mpa	ISO 178
Izod Impact Strength (Unnotched)	35	kJ/m2	ISO 180/1A
Charpy Impact Strength (Unnotched)	35	kJ/m2	ISO 179/1U
Thermal			
HDT (0.45 Mpa)	235	°C	ISO 75B
Flammability			
Flammability (1,6 mm)	V0	*	UL 94
Glow Wire Flammability Index GWFI (3 mm)	960	°C	IEC 60695-2-12



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Glow Wire Ignition Temperature GWIT (3 mm)	850	°C	IEC 60695-2-13
Glow Wire Flammability Index GWFI (1 mm)	960	°C	IEC 60695-2-12
Glow Wire Ignition Temperature GWIT (1 mm)	850	°C	IEC 60695-2-13
Flammability (3,2 mm)	V0	*	UL 94
Glow Wire Ignition Temperature GWIT (2 mm)	850	°C	IEC 60695-2-13

Electrical

CTI	600	V	IEC 60112
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Drying Condition

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

Molding Condition (°C)

1st Zone (hopper)(°C)	260-270
2nd Zone(°C)	270-280
3rd Zone(°C)	280-290
Nozzle(°C)	280-290
Mold Temperature(°C)	80

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.
