



Hylon N2035H2LFRA NAT

Polyamide 6 Prime Compound

Product Description : 35% Glass Fibre Reinforced, Halogenated Flame Retardant, Polyamide 6 Compound

Key Features : HYLON N2035H2LFRA NAT is UL94 FR V0, heat stabilized PA6 compound with good strength and stiffness properties

Process Method : Injection Moulding

Uses : Recommended for automotive applications

Revision Date : 01.01.2023

	Value	Unit	Standard
Physical			
Density	1,64	gr / cm3	ISO 1183 1-A
Mechanical			
Tensile Stress at Break	165	MPa	ISO 527-1
Elongation at Break	2	%	ISO 527-1
Tensile Modulus	10700	MPa	ISO 527-1
Izod Impact Strength (Notched) (23°C)	13	kJ/m2	ISO 180/1A
Charpy Impact Strength (Notched)	13	kJ/m2	ISO 179/1A
Flexural Modulus	8800	Mpa	ISO 178
Flexural Strength	245	Mpa	ISO 178
Izod Impact Strength (Unnotched)	70	kJ/m2	ISO 180/1A
Charpy Impact Strength (Unnotched)	70	kJ/m2	ISO 179/1U
Thermal			
HDT (1.8 Mpa)	205	°C	ISO 75A
Flammability			
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



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Flammability (0,8 mm)	V0	*	UL 94
Flammability (1,6 mm)	5VA	5VA/5VB	UL94-5VA-5VB
Flammability (3,2 mm)	5VA	5VA/5VB	UL94-5VA-5VB

Electrical

CTI	200	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)	220-230
2nd Zone(°C)	230-240
3rd Zone(°C)	245-255
Nozzle(°C)	245-255
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.