Hylon N2000H2L2FRB0 NAT

Polyamide 6 Prime Compound

Product Description : Unfilled, Halogen Free Flame Retardant , Polyamide 6 Compound

Key Features : HYLON N2000H2L2FRB0 NAT is UL 94 V0 and heat stabilized PA6 compound with good mechanical properties

Process Method : Injection moulding

Uses : Recommended for electric & electrical applications

Revision Date : 01.01.2023

	Value	Unit	Standard
Physical			
Density	1,18	gr / cm3	ISO 1183 1-A
Mechanical			
Tensile Stress at Break	55	MPa	ISO 527-1
Yield Strength	65	MPa	ISO 527-1
Elongation at Yield	3	%	ISO 527-1
Tensile Modulus	3500	MPa	ISO 527-1
Izod Impact Strength (Notched) (23°C)	4	kj/m2	ISO 180/1A
Charpy Impact Strength (Notched)	4,5	kj/m2	ISO 179/1A
Izod Impact Strength (Unnotched)	47	kj/m2	ISO 180/1A
Thermal			
HDT (0.45 Mpa)	175	°C	ISO 75B
HDT (1.8 Mpa)	60	°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 Ignition Temperature GWIT (3 mm)	850	°C	IEC 60695-2-13
Glow Wire Flammability Index GWFI (1 mm)	960	°C	IEC 60695-2-12

Data Sheet

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Glow Wire Ignition Temperature GWIT (1 mm)	850	°C	IEC 60695-2-13
Flammability (3,2 mm)	V0	*	UL 94
Flammability (0,8 mm)	V0	*	UL 94
Glow Wire Flammability Index GWFI (2 mm)	960	°C	IEC 60695-2-12
Glow Wire Ignition Temperature GWIT (2 mm)	850	°C	IEC 60695-2-13
Electrical			
CTI	600	V	IEC 60112

Drying Condition	
Drying Time(hr)	2-4
Drying Temperature(°C)	80
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.