



Hylon N2030H2L2FRD0 BK310

Polyamide 6 Prime Compound

Product Description :	30% Glass Fibre Reinforced, Halogen Free Flame Retardant, Black Color, Polyamide 6 Compound
Key Features :	HYLON N2030H2L2FRD0 BK310 is UL94 V0, high lubricant and heat stabilized stabilized PA6 compound with strength and stiffness properties
Process Method :	Injection moulding
Uses :	Recommended for electric&electronic and automotive applications
Revision Date :	01.01.2023

	Value	Unit	Standard
Physical			
Density	1,42	gr / cm3	ISO 1183 1-A
Mechanical			
Tensile Stress at Break	125	MPa	ISO 527-1
Elongation at Break	2,5	%	ISO 527-1
Tensile Modulus	11000	MPa	ISO 527-1
Izod Impact Strength (Notched) (23°C)	10	kJ/m2	ISO 180/1A
Charpy Impact Strength (Notched)	10	kJ/m2	ISO 179/1A
Flexural Modulus	9500	Mpa	ISO 178
Flexural Strength	195	Mpa	ISO 178
Izod Impact Strength (Notched) (-30°C)	6,5	kJ/m2	ISO 180/1A
Thermal			
HDT (0.45 Mpa)	215	°C	ISO 75B
HDT (1.8 Mpa)	200	°C	ISO 75A
Vicat Softening Point (50°C/50N)	205	°C	ISO 306
Vicat Softening Point (120°C/10N)	215	°C	ISO 306
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 Flammability Index GWFI (1 mm)	960	°C	IEC 60695-2-12
Flammability (3,2 mm)	V0	*	UL 94
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	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)	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.