



## Hylon N1030HHR BK

### Polyamide 66 Prime Compound

**Product Description :** 30% Glass Fibre Reinforced, Black Colour, Polyamide 66 Compound

**Key Features :** HYLON N1030HHR BK is heat stabilized, lubricated, heat/hydrolysis resistant PA66 compound with excellent strength and stiffness properties. It is also suitable for VW TL 52682 specification.

**Process Method :** Injection moulding

**Uses :** Recommended for automotive applications

**Revision Date :** 01.01.2023

	Value	Unit	Standard
<b>Physical</b>			
Density	1,37	gr / cm3	ISO 1183 1-A
<b>Mechanical</b>			
Tensile Stress at Break	175	MPa	ISO 527-1
Elongation at Break	2,5	%	ISO 527-1
Tensile Modulus	10500	MPa	ISO 527-1
Izod Impact Strength (Notched) (23°C)	9,5	kJ/m2	ISO 180/1A
Charpy Impact Strength (Notched)	8,5	kJ/m2	ISO 179/1A
Flexural Modulus	7500	Mpa	ISO 178
Flexural Strength	260	Mpa	ISO 178
Izod Impact Strength (Unnotched)	43	kJ/m2	ISO 180/1A
Izod Impact Strength (Notched) (-30°C)	8,3	kJ/m2	ISO 180/1A
Charpy Impact Strength notched (-30°C)	7,3	kJ/m2	ISO 179/1
Charpy Impact Strength (Unnotched)	53	kJ/m2	ISO 179/1A
<b>Thermal</b>			
HDT (0.45 Mpa)	250	°C	ISO 75B
HDT (1.8 Mpa)	205	°C	ISO 75A
Vicat Softening Point ( 50°C/50N )	255	°C	ISO 306



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#### Flammability

Flammability (1,6 mm)	HB	*	UL 94
Flammability ( 3,2 mm )	HB	*	UL 94

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#### Drying Condition

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

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#### Molding Condition (°C)

1st Zone (hopper)(°C)	265-275
2nd Zone(°C)	275-285
3rd Zone(°C)	285-295
Nozzle(°C)	285-295
Mold Temperature(°C)	80

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#### 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.