



**Hylon N1000STHL BK397**

**Polyamide 66 Prime Compound**

**Product Description :** Unfilled, High Impact Modified, Black Color, Polyamide 66 Compound

**Key Features :** HYLON N1000STHL BK397 is high heat stabilized and lubricated PA66 compound with good toughness and stiffness balance properties

**Process Method :** Injection moulding

**Uses :** Recommended for automotive applications

**Revision Date :** 01.01.2023

	Value	Unit	Standard
<b>Physical</b>			
Density	1,07	gr / cm3	ISO 1183 1-A
<b>Mechanical</b>			
Tensile Stress at Break	45	MPa	ISO 527-1
Yield Strength	50	MPa	ISO 527-1
Elongation at Break	>40	%	ISO 527-1
Tensile Modulus	2000	MPa	ISO 527-1
Izod Impact Strength (Notched) (23°C)	80 (PB)	kJ/m2	ISO 180/1A
Charpy Impact Strength (Notched)	85 (PB)	kJ/m2	ISO 179/1A
Flexural Modulus	1600	Mpa	ISO 178
Flexural Strength	65	Mpa	ISO 178
Izod Impact Strength (Unnotched)	NB	kJ/m2	ISO 180/1A
Charpy Impact Strength (Unnotched)	NB	kJ/m2	ISO 179/1U
<b>Thermal</b>			
HDT (1.8 Mpa)	50	°C	ISO 75A
Vicat Softening Point ( 120°C/10N )	60	°C	ISO 306
<b>Flammability</b>			
Flammability (1,6 mm)	HB	*	UL 94
Flammability ( 3,2 mm )	HB	*	UL 94
Flammability (0,8 mm)	HB	*	UL 94



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**Aging**

Water Absorption	0,80	%	Internal Method
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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)	250-270
2nd Zone(°C)	260-280
3rd Zone(°C)	270-290
Nozzle(°C)	270-290
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.