

Hylon[®] N1040 H2 BK397 W

Polyamide 66
Prime Compound

Description:

Polyamide 6.6, 40%glass fiber filled, hydrolysis stabilized, for injection molding applicatio; all colour available. Wras approved for use with water up to 60°C.

General

Density	ISO 1183	1.48	g/cm ³
Mold shrinkage (Parallel)		0.3	%
Mold shrinkage (Perpendicular)		0.6	%

Thermal

HDT/A (1,82MPa)	ISO 75A	260	°C
Vicat softening point (B50 (50N))	ISO 306	255	°C

Mechanical

Charpy notched impact strength (23 °C)	ISO 179	13	kJ/m ²
Charpy unnotched impact strength (23 °C)	ISO 179	65	kJ/m ²
Tensile stress at break	ISO 527	180	MPa
Elongation at break	ISO 527	2	%
Tensile modulus	ISO 527	11000	MPa
Flex modulus	ISO 178	9500	MPa
Flexural strength (+23°C)	ISO 178	245	MPa

Flammability

Flammability (3,2mm)	UL94	HB	
Flammability (1,6mm)	UL94	HB	
Burning rate (FMVSS 302)	ISO 3795	<100	mm/min
Glow wire flammability index (2,0 mm)	IEC 60695-2-12	650	°C

Various

Humidity	ISO 960	≤0.15	%
----------	---------	-------	---

Remark:

Wras approval number => 2002528

The data and information contained herein are typical average values, based on our current level of knowledge and experience, and do not constitute sales specifications. No liability, warranty or guarantee of product performance is created by this document. It is the buyer's responsibility to inspect and test our products in order to determine the suitability for the buyer's application.

Ravago Group Headquarters