INEOS STYROLUTION

Novodur HH-106 G2

Acrylonitrile Butadiene Styrene (ABS)

TECHNICAL DATASHEET

DESCRIPTION

Novodur® HH-106 G2 is a 8 % glass fiber reinforced ABS with enhanced heat resistance for injection molding.

FEATURES

- High stiffness
- High heat resistance

APPLICATIONS

- Inserts for support of high gloss exterior pillars

Property, Test Condition	Standard	Unit	Values
Rheological Properties			
Melt Volume Rate 220 °C/10 kg	ISO 1133	cm³/10 min	3.5
Mechanical Properties			
Charpy Notched Impact Strength, 23° C	ISO 179/1eA	kJ/m²	6
Charpy Notched Impact Strength, -30 °C	ISO 179/1eA	kJ/m²	4
Charpy Unnotched, 23 °C	ISO 179/1eU	kJ/m²	24
Charpy Unnotched, -30 °C	ISO 179/1eU	kJ/m²	20
Tensile Modulus	ISO 527	MPa	3600
Tensile Stress at Yield, 23 °C	ISO 527	MPa	58
Tensile Strain at Break, 23 °C	ISO 527	%	3
Thermal Properties			
Vicat Softening Temperature, VST/B/120 (50N, 120 °C/h)	ISO 306	°C	109
Vicat Softening Temperature VST/B/50 (50N, 50 °C/h)	ISO 306	°C	107
Other Properties			
Density	ISO 1183	kg/m³	1100
Processing			
Linear Mold Shrinkage	ISO 294-4	%	0.4 - 0.6
Melt Temperature Range	ISO 294	°C	230 - 260
Mold Temperature Range	ISO 294	°C	40 - 60

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Property, Test Condition	Standard	Unit	Values
Drying Temperature	-	°C	80
Drying Time	-	h	2 - 4

Typical values for uncolored products

SUPPLY FORM

Novodur® is delivered in the form of cylindrical or spherical pellets. The bulk density of the pellets is from 0.55 to 0.65 g/cm³. Values may differ for special grades. Standard Packaging unit: 25 kg PE-bag on palette, shrunk or wrapped with PE film. In addition, delivery in larger units of up to 1000 kg (IBC = Intermediate Bulk Container) or silo trucks can be arranged. In dry areas with normal temperature control, Novodur® pellets can be stored for relatively long periods of time without any change in mechanical properties. With unstable colors, however, storage over a number of years can give rise to some change in color. Under poor storage conditions, Novodur® absorbs moisture, but this can be removed by drying.

DISCLAIMER

The aforementioned data shall constitute the agreed contractual quality of the product sold by INEOS Styrolution at the time of passing of risk. INEOS Styrolution does not make any further warranty, representation or guarantee of any kind, express or implied, regarding the suitability of the product for any particular purpose or application and INEOS Styrolution disclaims all liability in connection therewith. The customer himself is required to verify whether or not the product is suitable for the further processing or application intended and whether or not the product complies with the relevant statutory requirements. Unless explicitly and individually otherwise agreed in writing, INEOS Styrolution's sole and exclusive liability with respect to its products is set forth in INEOS Styrolution's General Terms and Conditions for Sale.

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