INEOS STYROLUTION

Novodur HH-106 G1

Please Select

TECHNICAL DATASHEET

DESCRIPTION

Novodur® HH-106 G1 is a 4% glass fiber reinforced ABS for injection moulding with enhanced heat resistance.

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	5
Mechanical Properties			
Charpy Notched Impact Strength, 23° C	ISO 179/1eA	kJ/m²	12
Charpy Notched Impact Strength, -30 °C	ISO 179/1eA	kJ/m²	6
Charpy Unnotched, 23 °C	ISO 179/1eU	kJ/m²	190
Charpy Unnotched, -30 °C	ISO 179/1eU	kJ/m²	100
Tensile Stress at Yield, 23 °C	ISO 527	MPa	51
Tensile Strain at Yield, 23 °C	ISO 527	%	3
Tensile Modulus	ISO 527	MPa	3000
Flexural Strength	-	-	72
Thermal Properties			
Vicat Softening Temperature VST/B/50 (50N, 50 °C/h)	ISO 306	°C	107
Vicat Softening Temperature, VST/B/120 (50N, 120 °C/h)	ISO 306	°C	108
Heat Deflection Temperature A; (annealed 4 h/80 °C; 1.8 MPa)	ISO 75	°C	99
Heat Deflection Temperature, B (0.45 MPa)	ISO 75	°C	107
Other Properties			
Density	ISO 1183	kg/m³	1070
Processing			

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Property, Test Condition	Standard	Unit	Values
Linear Mold Shrinkage	ISO 294-4	%	0.4 - 0.7
Melt Temperature Range	ISO 294	°C	230 - 260
Mold Temperature Range	ISO 294	°C	60 - 80
Drying Temperature	-	°C	80
Drying Time	-	h	2 - 4