Novodur® HH-106 G2

ABS-GF8 INEOS Styrolution

Product Texts

Novodur® HH-106 G2 acrylonitrile butadiene styrene (ABS) polymer features high surface quality and good impact strength. Novodur® HH-106 G2 is a 8% glass fiber reinforced ABS for injection moulding with enhanced heat resistance.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
[C] Melt volume-flow rate, MVR	**4**	cm³/10min	ISO 1133
Temperature	**220**	°C	-
Load	**10**	kg	-
[C] Thermal conductivity of melt	**0.16**	W/(m K)	-
[C] Spec. heat capacity of melt	**2400**	J/(kg K)	-

[C]: CAMPUS

Mechanical properties	Value	Unit	Test Standard
ISO Data			
[C] Tensile Modulus	**3600**	MPa	ISO 527
[C] Yield stress	**58**	MPa	ISO 527
[C] Yield strain	**2.8**	%	ISO 527
[C] Nominal strain at break	**3**	%	ISO 527
[C] Charpy impact strength, +23°C	**24**	kJ/m²	ISO 179/1eU
[C] Charpy impact strength, -30°C	**20**	kJ/m²	ISO 179/1eU
[C] Charpy notched impact strength, +23°C	**6**	kJ/m²	ISO 179/1eA
[C] Charpy notched impact strength, -30°C	**4**	kJ/m²	ISO 179/1eA

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
ISO Data			
[C] Temp. of deflection under load, 1.80 MPa	**99**	°C	ISO 75-1/-2
[C] Temp. of deflection under load, 0.45 MPa	**108**	°C	ISO 75-1/-2
[C] Vicat softening temperature, B	**107**	°C	ISO 306

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
[C] Density	**1100**	kg/m³	ISO 1183

[C]: CAMPUS

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	**80**	°C	-
Pre-drying - Time	**4**	h	-
Melt temperature	**240 - 260**	°C	-
Mold temperature	**60 - 80**	°C	-

Characteristics

Processing
Injection Molding

Features
High Gloss

Delivery form
Pellets

Regional Availability
Europe, Asia Pacific, Near East/Africa

Special Characteristics
Heat stabilized or stable to heat

Other text information

Injection molding
PREPROCESSING

Pre-drying, Temperature: 80°C
Pre-drying, Time: 4h
PROCESSING
Melt temperature, range: 240 - 260°C
Mold temperature, range: 60 - 80°C