Novodur® HH-106 G1

ABS-GF4 INEOS Styrolution

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	**5**	g/10min	ISO 1133
Temperature	**200**	°C	-
Load	**5**	kg	-
Molding shrinkage, parallel	**0.6**	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	**3000**	MPa	ISO 527
Yield stress	**51**	MPa	ISO 527
Yield strain	**3**	%	ISO 527
Charpy impact strength, +23°C	**190**	kJ/m²	ISO 179/1eU
Charpy impact strength, -30°C	**100**	kJ/m²	ISO 179/1eU
Charpy notched impact strength, +23°C	**12**	kJ/m²	ISO 179/1eA
Charpy notched impact strength, -30°C	**6**	kJ/m²	ISO 179/1eA

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

ann.: annealed

Other properties	Value	Unit	Test Standard
Density	**1070**	kg/m³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	**80**	°C	-
Pre-drying - Time	**2 - 4**	h	-
Melt temperature	**230 - 260**	°C	-
Mold temperature	**60 - 80**	°C	-

Characteristics

Processing
Injection Molding

Features
High Gloss

Special Characteristics
Heat stabilized or stable to heat

Regional Availability
Europe, Near East/Africa