

**Product Texts**

Novodur® P2HGV acrylonitrile butadiene styrene (ABS) polymer features high surface quality and good impact strength. Novodur® P2HGV is a 16.5% glass fiber reinforced injection molding grade which provides high rigidity and enhanced heat resistance.

**Processing/Physical Characteristics**

	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Melt volume-flow rate, MVR	3	cm <sup>3</sup> /10min	ISO 1133
Temperature	220	°C	-
Load	10	kg	-
<sup>[C]</sup> Thermal conductivity of melt	0.144	W/(m K)	-
<sup>[C]</sup> Spec. heat capacity of melt	1640	J/(kg K)	-
<sup>[C]</sup> Ejection temperature	95	°C	-

[C]: CAMPUS

**Mechanical properties**

	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Tensile Modulus	5500	MPa	ISO 527
<sup>[C]</sup> Stress at break	74	MPa	ISO 527
<sup>[C]</sup> Strain at break	2	%	ISO 527
<sup>[C]</sup> Charpy impact strength, +23°C	18	kJ/m <sup>2</sup>	ISO 179/1eU
<sup>[C]</sup> Charpy impact strength, -30°C	20	kJ/m <sup>2</sup>	ISO 179/1eU
<sup>[C]</sup> Charpy notched impact strength, +23°C	6	kJ/m <sup>2</sup>	ISO 179/1eA
<sup>[C]</sup> Charpy notched impact strength, -30°C	5	kJ/m <sup>2</sup>	ISO 179/1eA

[C]: CAMPUS

**Thermal properties**

	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Temp. of deflection under load, 1.80 MPa	102	°C	ISO 75-1/-2
<sup>[C]</sup> Temp. of deflection under load, 0.45 MPa	106	°C	ISO 75-1/-2
<sup>[C]</sup> Vicat softening temperature, B	105	°C	ISO 306
<sup>[C]</sup> Coeff. of linear therm. expansion, parallel	40	E-6/K	ISO 11359-1/-2
<sup>[C]</sup> Burning Behav. at 1.5 mm nom. thickn.	HB	class	IEC 60695-11-10
Thickness tested	1.5	mm	-
Yellow Card available	yes	-	-

[C]: CAMPUS

**Electrical properties**

	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Electric strength	32	kV/mm	IEC 60243-1
<sup>[C]</sup> Comparative tracking index	575	-	IEC 60112

[C]: CAMPUS

**Other properties**

	Value	Unit	Test Standard
<sup>[C]</sup> Density	1160	kg/m <sup>3</sup>	ISO 1183

[C]: CAMPUS

**Characteristics****Processing**

Injection Molding

**Delivery form**

Pellets

**Regional Availability**

Europe, Asia Pacific, South and Central America, Near East/Africa

**Other text information****Injection molding**

PREPROCESSING

Pre-drying, Temperature: 80°C

Pre-drying, Time: 2 - 4h

PROCESSING

Melt temperature, range: 230 - 260°C

Mold temperature, range: 60 - 80°C