

Product Texts

Novodur® H702 acrylonitrile butadiene styrene (ABS) polymer features high surface quality and good impact strength. Novodur® H702 is a high heat, high gloss injection molding grade with very good flowability. It is especially suitable for being painted.

Processing/Physical Characteristics

	Value	Unit	Test Standard
ISO Data			
^[C] Melt volume-flow rate, MVR	14	cm ³ /10min	ISO 1133
Temperature	220	°C	-
Load	10	kg	-
^[C] Thermal conductivity of melt	0.127	W/(m K)	-
^[C] Spec. heat capacity of melt	1800	J/(kg K)	-

[C]: CAMPUS

Mechanical properties

	Value	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	2500	MPa	ISO 527
^[C] Yield stress	46	MPa	ISO 527
^[C] Yield strain	2.6	%	ISO 527
^[C] Nominal strain at break	19	%	ISO 527
^[C] Charpy impact strength, +23°C	100	kJ/m ²	ISO 179/1eU
^[C] Charpy impact strength, -30°C	90	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	19	kJ/m ²	ISO 179/1eA
^[C] Charpy notched impact strength, -30°C	9	kJ/m ²	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	104	°C	ISO 75-1/-2
^[C] Vicat softening temperature, B	104	°C	ISO 306
^[C] Coeff. of linear therm. expansion, parallel	80	E-6/K	ISO 11359-1/-2
^[C] Burning Behav. at 1.5 mm nom. thickn.	HB	class	IEC 60695-11-10
Thickness tested	1.5	mm	-
Yellow Card available	yes	-	-
^[C] Burning Behav. at thickness h	HB	class	IEC 60695-11-10
Thickness tested	3.0	mm	-
Yellow Card available	yes	-	-

[C]: CAMPUS

Electrical properties

	Value	Unit	Test Standard
ISO Data			
^[C] Electric strength	36	kV/mm	IEC 60243-1
^[C] Comparative tracking index	600	-	IEC 60112

[C]: CAMPUS

Other properties

	Value	Unit	Test Standard
^[C] Density	1040	kg/m ³	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