

Novodur® M201AS
ABS

INEOS Styrolution

Rheological properties	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	18	cm ³ /10min	ISO 1133
Temperature	220	°C	-
Load	10	kg	-
Molding shrinkage, normal	0.6	%	ISO 294-4, 2577

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	2400	MPa	ISO 527
Yield stress	47	MPa	ISO 527
Yield strain	2.5	%	ISO 527
Impact Strength (Charpy), +23°C	140	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy), -30°C	80	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy), +23°C	19	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy), -30°C	10	kJ/m ²	ISO 179/1eA
Flexural Modulus (23°C)	2300	MPa	ISO 178
Flexural strength	70	MPa	ISO 178
Notched Impact Strength (Izod), 23°C	20	kJ/m ²	ISO 180/1A
Notched Impact Strength (Izod)	10	kJ/m ²	ISO 180/1A
Temperature	-30	°C	-
Ball Indentation Hardness	105	MPa	ISO 2039-1

Thermal Properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load (1.80 MPa)	96 ^[ann.]	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	100 ^[ann.]	°C	ISO 75-1/-2
Vicat softening temperature, 50°C/h 50N	98	°C	ISO 306
Coeff. of Linear Therm. Expansion, normal	80	E-6/K	ISO 11359-1/-2
ann.: annealed			

Electrical Properties	Value	Unit	Test Standard
ISO Data			
Relative permittivity, 100Hz	3	-	IEC 62631-2-1
Relative permittivity, 1MHz	2.9	-	IEC 62631-2-1
Dissipation Factor, 100Hz	60	E-4	IEC 62631-2-1
Dissipation Factor, 1MHz	60	E-4	IEC 62631-2-1
Comparative tracking index	600	-	IEC 60112

Other Properties	Value	Unit	Test Standard
ISO Data			
Density	1040	kg/m ³	ISO 1183
Bulk density	600	kg/m ³	-

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	-
Injection speed	240	mm/s	-

Characteristics

Processing

Injection Molding

Features

High Gloss

Delivery form

Pellets

Chemical Resistance

General Chemical Resistance

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