Novodur® M210TF

ABS — INEOS Styrolution

Product Texts

Novodur® M210TF acrylonitrile butadiene styrene (ABS) polymer features high surface quality and good impact strength. Novodur® M210TF is medium impact, high gloss injection molding grade designed for toy application. Food contact statements are available upon request.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
[C] Melt volume-flow rate, MVR	**32**	cm³/10min	ISO 1133
Temperature	**220**	°C	-
Load	**10**	kg	-

[C]: CAMPUS

Mechanical properties	Value	Unit	Test Standard
ISO Data			
[C] Tensile Modulus	**2450**	MPa	ISO 527
[C] Yield stress	**46**	MPa	ISO 527
[C] Yield strain	**2.6**	%	ISO 527
[C] Nominal strain at break	**8.1**	%	ISO 527
[C] Charpy impact strength, +23°C	**120**	kJ/m²	ISO 179/1eU
[C] Charpy impact strength, -30°C	**100**	kJ/m²	ISO 179/1eU
[C] Charpy notched impact strength, +23°C	**16**	kJ/m²	ISO 179/1eA
[C] Charpy notched impact strength, -30°C	**7**	kJ/m²	ISO 179/1eA

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
ISO Data			
[C] Temp. of deflection under load, 1.80 MPa	**94**	°C	ISO 75-1/-2
[C] Temp. of deflection under load, 0.45 MPa	**98**	°C	ISO 75-1/-2
[C] Vicat softening temperature, B	**99**	°C	ISO 306
[C] Coeff. of linear therm. expansion, parallel	**90**	E-6/K	ISO 11359-1/-2

[C]: CAMPUS

Electrical properties	Value	Unit	Test Standard
ISO Data			
[C] Comparative tracking index	**600**	-	IEC 60112

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
[C] Density	**1050**	kg/m³	ISO 1183

[C]: CAMPUS

Characteristics

Processing
Injection Molding

Certifications
Food contact

Delivery form
Pellets

Regional Availability
North America, 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