

Novodur® HG-36

(ABS+PMMA)

INEOS Styrolution

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	16	cm ³ /10min	ISO 1133
Temperature	220	°C	-
Load	10	kg	-
Molding shrinkage, parallel	0.6	%	ISO 294-4, 2577
Thermal conductivity of melt	0.17	W/(m K)	-
Mechanical properties			
ISO Data			
Tensile Modulus	2600	MPa	ISO 527
Yield stress	48	MPa	ISO 527
Nominal strain at break	10	%	ISO 527
Charpy impact strength, +23°C	60	kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	26	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	5	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	3	kJ/m ²	ISO 179/1eA
Rockwell hardness	R 115	-	ISO 2039-2
Thermal properties			
ISO Data			
Vicat softening temperature, A	100	°C	ISO 306
Vicat softening temperature, B	92	°C	ISO 306
Coeff. of linear therm. expansion, parallel	95	E-6/K	ISO 11359-1/-2
Electrical properties			
ISO Data			
Volume resistivity	>1E13	Ohm*m	IEC 62631-3-1
Comparative tracking index	600	-	IEC 60112
Other properties			
Density	1120	kg/m ³	ISO 1183
Bulk density	600	kg/m ³	-

Characteristics**Delivery form**

Pellets

Regional Availability

Europe, Near East/Africa

Features

Scratch Resistant