

Novodur® PM HH 300

ABS

INEOS Styrolution

Novodur® PM HH 300 is particularly suitable as heat resistance and impact modifier for rigid PVC, SAN and ABS.
 The polybutadiene content of this material is about 12%.

Rheological properties	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	5.5	cm³/10min	ISO 1133
Temperature	220	°C	-
Load	10	kg	-

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	2700	MPa	ISO 527
Yield stress	58	MPa	ISO 527
Yield strain	3.1	%	ISO 527
Nominal strain at break	8	%	ISO 527
Stress at Break	40	MPa	ISO 527
Impact Strength (Charpy), +23°C	140	kJ/m²	ISO 179/1eU
Impact Strength (Charpy), -30°C	80	kJ/m²	ISO 179/1eU
Notched Impact Strength (Charpy), +23°C	11	kJ/m²	ISO 179/1eA
Notched Impact Strength (Charpy), -30°C	6	kJ/m²	ISO 179/1eA
Ball Indentation Hardness	114	MPa	ISO 2039-1

Thermal Properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load (1.80 MPa)	102 ^[ann.]	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	110 ^[ann.]	°C	ISO 75-1/-2
Vicat softening temperature, 50°C/h 50N	111	°C	ISO 306

ann.: annealed

Other Properties	Value	Unit	Test Standard
ISO Data			
Density	1050	kg/m³	ISO 1183
Bulk density	500	kg/m³	-

Characteristics
Processing

Other Extrusion

Special Characteristics

Impact modified, Heat aging stabilized

Delivery form

Powder

Features

Blending Resin