

Novodur® P2M-V
ABS

INEOS Styrolution

Rheological properties	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	18	cm³/10min	ISO 1133
Temperature	220	°C	-
Load	10	kg	-
Molding shrinkage, parallel	0.6	%	ISO 294-4, 2577

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	2300	MPa	ISO 527
Yield stress	40	MPa	ISO 527
Yield strain	2.2	%	ISO 527
Strain at Break	15	%	ISO 527
Impact Strength (Charpy), +23°C	180	kJ/m²	ISO 179/1eU
Impact Strength (Charpy), -30°C	120	kJ/m²	ISO 179/1eU
Notched Impact Strength (Charpy), +23°C	22	kJ/m²	ISO 179/1eA
Notched Impact Strength (Charpy), -30°C	11	kJ/m²	ISO 179/1eA
Flexural Modulus (23°C)	2200	MPa	ISO 178
Notched Impact Strength (Izod), 23°C	23	kJ/m²	ISO 180/1A
Notched Impact Strength (Izod)	11	kJ/m²	ISO 180/1A
Temperature	-30	°C	-
Ball Indentation Hardness	100	MPa	ISO 2039-1

Thermal Properties	Value	Unit	Test Standard
ISO Data			
Vicat softening temperature, 50°C/h 50N	97	°C	ISO 306
Coeff. of Linear Therm. Expansion, normal	100	E-6/K	ISO 11359-1/-2

Electrical Properties	Value	Unit	Test Standard
ISO Data			
Relative permittivity, 100Hz	3.1	-	IEC 62631-2-1
Relative permittivity, 1MHz	2.9	-	IEC 62631-2-1
Electric Strength	39	kV/mm	IEC 60243-1
Comparative tracking index	600	-	IEC 60112

Other Properties	Value	Unit	Test Standard
ISO Data			
Density	1040	kg/m³	ISO 1183

Characteristics

Processing

Injection Molding

Applications

Automotive

Delivery form

Pellets