INEOS STYROLUTION

Novodur PM HH 300

Acrylonitrile Butadiene Styrene (ABS)

TECHNICAL DATASHEET

DESCRIPTION

Novodur® PM HH 300 is an ABS powder with an average particle size distribution of 200-400 micron. It is particularly suitable as heat resistance and impact modifier for rigid PVC, SAN and ABS. The polybutadiene content of this material is about 12%.

FEATURES

- Heat resistance
- Impact resistance

APPLICATIONS

- Polymer blending
- Extrusion

Property, Test Condition	Standard	Unit	Values
Rheological Properties			
Melt Volume Rate 220 °C/10 kg	ISO 1133	cm³/10 min	5.5
Mechanical Properties			
Charpy Notched Impact Strength, 23° C	ISO 179/1eA	kJ/m²	11
Charpy Notched Impact Strength, -30 °C	ISO 179/1eA	kJ/m²	6
Charpy Unnotched, 23 °C	ISO 179/1eU	kJ/m²	140
Charpy Unnotched, -30 °C	ISO 179/1eU	kJ/m²	80
Tensile Modulus	ISO 527	MPa	2700
Tensile Stress at Yield, 23 °C	ISO 527	MPa	58
Tensile Strain at Yield, 23 °C	ISO 527	%	3.1
Tensile Stress at Break, 23 °C	ISO 527	MPa	40
Nominal Strain at Break, 23 °C	ISO 527	%	8
Hardness, Ball Indentation	ISO 2039-1	MPa	114
Thermal Properties			
Vicat Softening Temperature, VST/B/120 (50N, 120 °C/h)	ISO 306	°C	113
Vicat Softening Temperature VST/B/50 (50N, 50 °C/h)	ISO 306	°C	111
Heat Deflection Temperature A; (annealed 4 h/80 °C; 1.8 MPa)	ISO 75	°C	102
Heat Deflection Temperature B; (annealed 4 h/80 °C; 0.45 MPa)	ISO 75	°C	110
Other Properties			

INEOS STYROLUTION

Novodur PM HH 300

Acrylonitrile Butadiene Styrene (ABS)

TECHNICAL DATASHEET

Property, Test Condition	Standard	Unit	Values
Density	ISO 1183	kg/m³	1050
Bulk density	-	kg/m³	450 - 550
Max. particle size	ISO 3310-1	µm	600
Average particle size	ISO 3310-1	µm	200 - 400