INEOS STYROLUTION

Novodur HG-36

Poly Methyl Methacrylat + Acrylonitrile Butadiene Styrene (PMMA + ABS)

TECHNICAL DATASHEET

DESCRIPTION

Novodur® HG-36 is a PMMA/ABS blend with high surface quality, enhanced scratch resistance and high gloss appearance

FEATURES

- High gloss
- Good color depth
- Enhanced scratch resistance

APPLICATIONS

- Construction
- Household appliances
- Cosmetics

Property, Test Condition	Standard	Unit	Values
Rheological Properties			
Melt Volume Rate 220 °C/10 kg	ISO 1133	cm³/10 min	16
Mechanical Properties			
Charpy Notched Impact Strength, 23° C	ISO 179	kJ/m²	5
Charpy Notched Impact Strength, -30° C	ISO 179	kJ/m²	3
Charpy Unnotched, 23° C	ISO 179	kJ/m²	60
Charpy Unnotched, -30° C	ISO 179	kJ/m²	26
Tensile Stress at Yield, 23° C	ISO 527	MPa	48
Tensile Modulus	ISO 527	MPa	2600
Nominal Strain at Break, 23 °C	ISO 527	%	10
Hardness, Rockwell	ISO 2039-2	R scale	R 114.5
Thermal Properties			
Vicat Softening Temperature VST/B/50 (50N, 50°C/h)	ISO 306	°C	92
Vicat Softening Temperature, VST/A/50 (10N, 50°C/h)	ISO 306	°C	100
Coefficient of Linear Thermal Expansion	ISO 11359	10^(-6)/°C	80 - 110
Thermal Conductivity	DIN 52612-1	W/(m K)	0.17
Electrical Properties			
Volume Resistivity	IEC 60093	Ohm*m	>1E16
Comparative Tracking Index	IEC 60112	V	600

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Property, Test Condition	Standard	Unit	Values
Other Properties			
Density	ISO 1183	kg/m³	1120
Processing			
Linear Mold Shrinkage	ISO 294-4	%	0.5 - 0.6
Melt Temperature Range	ISO 294	°C	220-260
Mold Temperature Range	ISO 294	°C	60 - 80
Drying Temperature		°C	80
Drying Time		h	2 - 4