

Novodur 532

Acrylonitrile Butadiene Styrene (ABS)

TECHNICAL DATASHEET

DESCRIPTION

Novodur® 532 is an extrusion grade optimized for sheet applications. It has high impact properties and good processability.

FEATURES

- High impact strength
- Good processability
- High impact strength at low temperature

APPLICATIONS

- B&C application
- Shoe application
- Toys, Sport & Leisure
- Helmets

Property, Test Condition	Standard	Unit	Values
Rheological Properties			
Melt Volume Rate 220 °C/10 kg	ISO 1133	cm ³ /10 min	2.5
Mechanical Properties			
Izod Notched Impact Strength, 23 °C	ISO 180/A	kJ/m ²	35
Izod Notched Impact Strength, -20 °C	ISO 180/A	kJ/m ²	22
Izod Notched Impact Strength, -30 °C	ISO 180/A	kJ/m ²	15
Tensile Stress at Break, 23 °C	ISO 527	MPa	31
Tensile Stress at Yield, 23 °C	ISO 527	MPa	38
Tensile Modulus	ISO 527	MPa	1900
Flexural Strength, 23 °C	ISO 178	MPa	61
Flexural Modulus, 23 °C	ISO 178	MPa	1900
Hardness, Rockwell	ISO 2039-2	R scale	95
Thermal Properties			
Vicat Softening Temperature, B/2 (120 °C/h, 50N)	ASTM D 1525	°C	95
Heat Deflection Temperature A; (annealed 4 h/80 °C; 1.8 MPa)	ISO 75	°C	90
Heat Deflection Temperature B; (annealed 4 h/80 °C; 0.45 MPa)	ISO 75	°C	93
Optical Properties			
Specular Gloss, 60 °	-		90

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Other Properties			
Density	ISO 1183	kg/m ³	1040