

# Novodur 530

Acrylonitrile Butadiene Styrene (ABS)

## TECHNICAL DATASHEET

### DESCRIPTION

Novodur® 530 is an extrusion grade optimized for sheet applications. It has high impact properties, high modulus and good thermoforming.

### FEATURES

- High impact strength
- High modulus
- Easy thermoforming
- UL Classification 94 HB

### APPLICATIONS

- Home appliances
- Automotive
- B&C application
- Sheet application
- Toys, Sport & Leisure
- Helmets

Property, Test Condition	Standard	Unit	Values
<b>Rheological Properties</b>			
Melt Volume Rate 220 °C/10 kg	ISO 1133	cm <sup>3</sup> /10 min	3.5
<b>Mechanical Properties</b>			
Izod Notched Impact Strength, 23 °C	ISO 180/A	kJ/m <sup>2</sup>	30
Izod Notched Impact Strength, -20 °C	ISO 180/A	kJ/m <sup>2</sup>	20
Izod Notched Impact Strength, -30 °C	ISO 180/A	kJ/m <sup>2</sup>	13
Tensile Stress at Break, 23 °C	ISO 527	MPa	33
Tensile Stress at Yield, 23 °C	ISO 527	MPa	41
Tensile Modulus	ISO 527	MPa	2200
Flexural Strength, 23 °C	ISO 178	MPa	66
Flexural Modulus, 23 °C	ISO 178	MPa	2100
Hardness, Rockwell	ISO 2039-2	R scale	107
<b>Thermal Properties</b>			
Vicat Softening Temperature, B/2 (120 °C/h, 50N)	ASTM D 1525	°C	98
Heat Deflection Temperature A; (annealed 4 h/80 °C; 1.8 MPa)	ISO 75	°C	91
Heat Deflection Temperature B; (annealed 4 h/80 °C; 0.45 MPa)	ISO 75	°C	95
<b>Optical Properties</b>			

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Property, Test Condition	Standard	Unit	Values
Specular Gloss, 60 °	-		90
<b>Other Properties</b>			
Density	ISO 1183	kg/m <sup>3</sup>	1040