

# Novodur 595CP

Acrylonitrile Butadiene Styrene (ABS)

## TECHNICAL DATASHEET

### DESCRIPTION

Novodur® 595CP is an extrusion grade optimized for refrigeration applications. It has high impact properties and is resistant to cyclo pentane.

### FEATURES

- Refrigeration extrusion grade
- Resistant to cyclo pentane
- High impact

### APPLICATIONS

- Refrigerator extruded parts
- Sheet application

Property, Test Condition	Standard	Unit	Values
<b>Rheological Properties</b>			
Melt Volume Rate 220 °C/10 kg	ISO 1133	cm³/10 min	3
<b>Mechanical Properties</b>			
Izod Notched Impact Strength, 23 °C	ISO 180/A	kJ/m²	25
Izod Notched Impact Strength, -20 °C	ISO 180/A	kJ/m²	15
Izod Notched Impact Strength, -30 °C	ISO 180/A	kJ/m²	11
Tensile Stress at Break, 23 °C	ISO 527	MPa	38
Tensile Stress at Yield, 23 °C	ISO 527	MPa	46
Tensile Modulus	ISO 527	MPa	2550
Flexural Strength, 23 °C	ISO 178	MPa	70
Flexural Modulus, 23 °C	ISO 178	MPa	2400
Hardness, Rockwell	ISO 2039-2	R scale	112
<b>Thermal Properties</b>			
Vicat Softening Temperature, B/2 (120 °C/h, 50N)	ASTM D 1525	°C	102
Heat Deflection Temperature A; (annealed 4 h/80 °C; 1.8 MPa)	ISO 75	°C	96
Heat Deflection Temperature B; (annealed 4 h/80 °C; 0.45 MPa)	ISO 75	°C	100
<b>Optical Properties</b>			
Specular Gloss, 60 °	-		90
<b>Other Properties</b>			

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Density	ISO 1183	kg/m <sup>3</sup>	1050