INEOS STYROLUTION

Novodur Ultra 4255

Acrylonitrile-Butadiene-Styrene/Polycarbonat (ABS/PC)

TECHNICAL DATASHEET

DESCRIPTION

Novodur Ultra 4255 combines high impact strength at room as well as at low temperature, 100 % ductility at -30 °C, high heat resistance and a best in class flowability.

FEATURES

- Low temperature ductility
- High impact strength
- High heat resistance
- Good flowability
- Low emission

APPLICATIONS

- Door panel
- Lower seat trim
- Center and overhead console
- Glove box door and frame

Property, Test Condition	Standard	Unit	Values
Rheological Properties			
Melt Volume Rate 220 °C/10 kg	ISO 1133	cm³/10 min	-
Melt Volume Rate, 260 °C/5 kg	ISO 1133	cm³/10 min	17
Mechanical Properties			
Charpy Notched Impact Strength, 23° C	ISO 179	kJ/m²	55
Charpy Notched Impact Strength, -30 °C	ISO 179	kJ/m²	55
Tensile Stress at Yield, 23 °C	ISO 527	MPa	47
Tensile Modulus	ISO 527	MPa	2100
Flexural Strength, 23 °C	ISO 178	MPa	70
Flexural Modulus, 23 °C	ISO 178	MPa	2400
Hardness, Ball Indentation	ISO 2039-1	MPa	97
Flexural Strength, 110 °C	ISO 178	MPa	15
Flexural Modulus, 110 °C	ISO 178	MPa	700
Energy to Maximum Force, EP - Penetration Test, -30 °C	ISO 6603-2	J	50
Maximum Force, FM - Penetration Test, -30 °C	ISO 6603-2	N	4600
Thermal Properties			
Vicat Softening Temperature VST/B/50 (50N, 50 °C/h)	ISO 306	°C	-

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Property, Test Condition	Standard	Unit	Values
Heat Deflection Temperature A; (annealed 4 h/80 °C; 1.8 MPa)	ISO 75	°C	103
Vicat Softening Temperature, VST/B/120	ISO 306	°C	113
Other Properties			
Density	ISO 1183	kg/m³	1100