

Novodur Xspray

Acrylonitrile Butadiene Styrene (ABS)

TECHNICAL DATASHEET

DESCRIPTION

Novodur® Xspray is an ABS alloy that offers good chemical resistance and excellent paint adhesion that is re-quired in high luminance spray painting to achieve the desired superior metallic appearance. The good chemical resistance also eliminates the need for the primer treatment process, hence resulting in eco-friendliness and better cost savings for the customer.

FEATURES

- Enhanced scratch resistance after painting
- Excellent chemical resistance
- Good paint adhesion

APPLICATIONS

- Household
- Electronics
- Automotive

Property, Test Condition	Standard	Unit	Values
Rheological Properties			
Melt Volume Rate 220 °C/10 kg	ISO 1133	cm ³ /10 min	15
Melt Volume Rate, 240 °C/10 kg	ISO 1133	cm ³ /10 min	45
Mechanical Properties			
Izod Notched Impact Strength, 23 °C	ISO 180/A	kJ/m ²	15
Charpy Notched Impact Strength, 23° C	ISO 179/1eA	kJ/m ²	9
Tensile Stress at Yield, 23 °C	ISO 527	MPa	43
Tensile Strain at Yield, 23 °C	ISO 527	%	2.9
Tensile Modulus	ISO 527	MPa	2090
Flexural Strength, 23 °C	ISO 178	MPa	64
Flexural Modulus, 23 °C	ISO 178	MPa	2100
Hardness, Rockwell	ISO 2039-2	R scale	110
Thermal Properties			
Vicat Softening Temperature VST/B/50 (50N, 50 °C/h)	ISO 306	°C	96
Heat Deflection Temperature A; (annealed 4 h/80 °C; 1.8 MPa)	ISO 75	°C	93
Other Properties			
Density	ISO 1183	kg/m ³	1050
Processing			

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Property, Test Condition	Standard	Unit	Values
Melt Temperature Range	ISO 294	°C	230 - 250
Mold Temperature Range	ISO 294	°C	40 - 80
Drying Temperature	-	°C	80
Drying Time	-	h	2 - 4