

DESCRIPTION

Luran® S 777T is considered as the standard injection molding grade with enhanced toughness and resistance to heat distortion. Especially suitable for exterior automotive components

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	6
<b>Mechanical Properties</b>			
Charpy Notched Impact Strength, 23° C	ISO 179/1eA	kJ/m <sup>2</sup>	18
Charpy Notched Impact Strength, -30 °C	ISO 179/1eA	kJ/m <sup>2</sup>	5
Charpy Unnotched, 23 °C	ISO 179/1eU	kJ/m <sup>2</sup>	250
Izod Notched Impact Strength, 23 °C (73 °F)	ASTM D 256	kJ/m <sup>2</sup>	90
Tensile Stress at Yield, 23 °C	ISO 527	MPa	54
Tensile Modulus	ISO 527	MPa	2500
Tensile Strain at Break, 23 °C	ISO 527	%	8
Flexural Strength, 23 °C	ISO 178	MPa	80
Flexural Modulus, 23 °C	ISO 178	MPa	2510
<b>Thermal Properties</b>			
Vicat Softening Temperature VST/B/50 (50N, 50 °C/h)	ISO 306	°C	102
Heat Deflection Temperature A; (annealed 4 h/80 °C; 1.8 MPa)	ISO 75	°C	101
Heat Deflection Temperature B; (annealed 4 h/80 °C; 0.45 MPa)	ISO 75	°C	104
<b>Other Properties</b>			
Density	ISO 1183	kg/m <sup>3</sup>	1070
<b>Processing</b>			
Linear Mold Shrinkage	ISO 294-4	%	0.4 - 0.6