

Luran S 777T

TECHNICAL DATASHEET

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
Rheological Properties			
Melt Volume Rate 220 °C/10 kg	ISO 1133	cm³/10 min	6
Mechanical Properties			
Charpy Notched Impact Strength, 23° C	ISO 179/1eA	kJ/m²	18
Charpy Notched Impact Strength, -30 °C	ISO 179/1eA	kJ/m²	5
Charpy Unnotched, 23 °C	ISO 179/1eU	kJ/m²	250
Izod Notched Impact Strength, 23 °C (73 °F)	ASTM D 256	kJ/m²	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
Thermal Properties			
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
Other Properties			
Density	ISO 1183	kg/m³	1070
Processing			
Linear Mold Shrinkage	ISO 294-4	%	0.4 - 0.6

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Typical values for uncolored products

Please note that all processing data stated are only indicative and may vary depending on the individual processing complexities.

Please consult our local sales or technical representatives for details.

DISCLAIMER

The above mentioned data are accurate to the best of our knowledge. They are based upon reputable labs and industry standard testing methods. These are only typical values and actual product specification may deviate at industrial range. Therefore, no data in this technical data sheet shall constitute a warranty or representation regarding product features, fitness of the product for a specific purpose or application or its processability. INEOS Styrolution disclaims all liability in connection therewith. The customer himself is required to verify whether or not the product is suitable for the further processing or application intended and whether or not the product complies with the relevant statutory requirements. Unless explicitly and individually otherwise agreed in writing, INEOS Styrolution's sole and exclusive liability with respect to its products is set forth in INEOS Styrolution's General Terms and Conditions for Sale.