Technical Information

TRINSEO™

ENLITE™ LGF 1602 + LGF 7000 @ 30% Glass Loading

Homopolymer Resin

Overview This LGF30 PP system is developed for semi-structural automotive interior applications

Physical	Nominal Value	(English)	Nominal Value	(SI)	Test Method
Density	1.12	g/cm³	1.12	g/cm³	ISO 1183
Mechanical	**Nominal Value**	**(English)**	**Nominal Value**	**(SI)**	**Test Method**
Tensile Modulus	986000	psi	6800	MPa	ISO 527-1/1
Tensile Stress (Break)	17400	psi	120	MPa	ISO 527-2/5
Tensile Strain (Break)	2.3	%	2.3	%	ISO 527-2/5
Flexural Modulus	986000	psi	6800	MPa	ISO 178
Flexural Stress	23900	psi	165	MPa	ISO 178
Impact	**Nominal Value**	**(English)**	**Nominal Value**	**(SI)**	**Test Method**
Charpy Notched Impact Strength (73°F (23°C))	10	ft·lb/in²	22	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength					ISO 179/1eU
73°F (23°C)	24	ft·lb/in²	50	kJ/m²	
Thermal	**Nominal Value**	**(English)**	**Nominal Value**	**(SI)**	**Test Method**
Deflection Temperature Under Load					ISO 75-2/A
264 psi (1.8 MPa), Unannealed	320	°F	160	°C	

Additional Information

These are typical properties as measured on injection molded specimens ('dogbones') defined by ISO 3167 type 1a (L= 175 mm, center-section: 80x10x4 mm).

Notes

These are typical properties only and are not to be construed as specifications. Users should confirm results by their own tests.

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