

Technical Information



ENLITE™ LGF 1602 + LGF 7000 @ 40% Glass Loading Homopolymer Resin

Overview

This LGF40 PP system is developed for semi-structural automotive interior applications

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.22 g/cm ³	1.22 g/cm ³	ISO 1183
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus	1.31E+6 psi	9000 MPa	ISO 527-1/1
Tensile Stress (Break)	18000 psi	124 MPa	ISO 527-2/5
Tensile Strain (Break)	2.2 %	2.2 %	ISO 527-2/5
Flexural Modulus	1.26E+6 psi	8700 MPa	ISO 178
Flexural Stress	26800 psi	185 MPa	ISO 178
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Charpy Notched Impact Strength (73°F (23°C))	14 ft·lb/in ²	29 kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength 73°F (23°C)	28 ft·lb/in ²	58 kJ/m ²	ISO 179/1eU
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load 264 psi (1.8 MPa), Unannealed	320 °F	160 °C	ISO 75-2/A

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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