

Technical Information



ENLITE™ LGF 1603 + LGF 7000 @ 30% Glass Loading Homopolymer Resin

Overview

This LGF30 PP system is developed for semi-structural automotive exterior applications like front-ends or shrouds. It provides outstanding heat aging performance of up to 1000 hrs at 150C

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.12 g/cm ³	1.12 g/cm ³	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/in ²	22 kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength 73°F (23°C)	24 ft·lb/in ²	50 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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