

Technical Information



ENLITE™ LGF 1603 + DLGF 7940.00LE @ 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 and especially suitable for thin wall design due to its easy flow.

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	306 °F	152 °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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