

Technical Data Sheet

# SuperLite® SL Grade 1000

## Product Description

SuperLite® is Brand Name of Low Weight Reinforced Thermoplastics.

Low-pressure heat moldable composite of polypropylene and chopped glass fibers.

Usually combined with outer layers depend on the application. (adhesive film, scrim, non-woven)

Typically used in non-structural applications where a very high strength to weight ratio is required.

(automotive undercover, headliner, package tray, door panel and other interior trim)

- Excellent Strength and Toughness with Light-Weight
- Multi-Layer Structure for Absorbing Impact & Noise
- Smell and VOC Improvement through the use of Adhesives savings

## Typical Properties

Item	Unit	Test Standard	Value
<b>Physical</b>			
Mass per unit area	g/m <sup>2</sup>	Internal	1000
Filler content by weight	%	ASTM D-5630	55.0
<b>Mechanical</b>			
Tensile Strength	MPa	ASTM D 638	40.7
Tensile Modulus	MPa	ASTM D 638	3,841
Flexural Strength	MPa	SAE J949	11.1
Flexural Modulus	MPa	SAE J949	1,264
Multi-axial Impact @Max. Load	N	ASTM D 3763	557

\* Mechanical Properties are measured at 2mm thickness of specimen.

## General

Typical free lofted thickness after heating : 6.0mm ~ 6.5mm

Typical range of molded thickness : 2.0mm ~ 5.0mm

Available colors : Natural(White) / Charcoal(Grey)

## Contact

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It is intended as a reference to material characteristics and does not reflect statistical manufacturing capability.