

SuperLite® SL551000-100 (4.0mm)

Polypropylene

Azdel, Inc.

Message:

AZDEL SuperLite SL551000-100 (4.0mm) is a low pressure, thermoformable, thermoplastic composite of polypropylene and long chopped glass fibers. Usually combined with outer layers as needed for the application (i.e.; adhesive films, barrier films, scrim, tough PP films, non-wovens, reinforcements or just the bare surface.) Typically used in non-structural applications where a very high strength to weight ratio is required, such as automotive headliners, door panels, package shelves, and other interior trim.

General Information			
Filler / Reinforcement	Long glass fiber, 55% filler by weight		
Appearance	Black		
	Natural color		
Forms	Sheet		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.289	g/cm ³	ASTM D792
Molding Shrinkage - Flow	< 0.020	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1800	MPa	ASTM D638
Tensile Strength	14.0	MPa	ASTM D638
Impact	Nominal Value	Unit	Test Method
Instrumented Dart Impact			ASTM D3763
23°C, Energy at Peak Load	3.70	J	ASTM D3763
23°C, Total Energy	7.00	J	ASTM D3763

Additional Information			
Multi-axial Impact Peak Force, ASTM D3763, 23°C: 700 NMass per unit area, Internal Test Method: 1000 g/m ² Flexual Strength, SAE J949: 8 MPaFlexual Modulus, SAE J949: 900 MPa			

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