

# AZDEL™ R300-B01

Polypropylene

Azdel, Inc.

## Message:

AZDEL R300-B01 is a glass mat thermoplastic laminate based upon random oriented continuous fiber mat contained within polypropylene resin matrix. This composite material features high flow properties and a very homogeneous fiber distribution. This material is typically used for standard semi-structural applications and where high impact and stiffness are desired.

General Information			
Filler / Reinforcement	Long glass fiber, 30% filler by weight		
Appearance	Black		
Forms	Sheet		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.10	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	0.20 - 0.40	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4300	MPa	ISO 527-2
Tensile Stress (Yield)	60.0	MPa	ISO 527-2
Tensile Strain (Break)	2.2	%	ISO 527-2
Flexural Modulus	4400	MPa	ISO 178
Flexural Stress	110	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Instrumented Dart Impact			ASTM D3763
4.00 mm, Energy at Peak Load	10.0	J	ASTM D3763
4.00 mm, Total Energy	28.2	J	ASTM D3763
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	155	°C	ASTM D648
Additional Information			

Basis Weight, Internal Test Method: 0.88 lbs/ft<sup>2</sup> Filler Content by Weight(ashing), Internal Test Method: 30 % Sheet Thickness, Internal Test Method: 154 mils Specific Gravity, ASTM D792, Laminated: 1.1 Specific Gravity, ASTM D792, Molded: 1.14

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## Recommended distributors for this material

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