

AZDEL™ C327-B01

Polypropylene

Azdel, Inc.

Message:

AZDEL C327-B01 is a glass mat thermoplastic laminate based oupon a random oriented chopped fiber mat and material filler contained within a polypropylene resin matrix. This composite material features high flow properties and a very homogeneous fiber distribution into features such as ribs and bosses is desired.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 31% filler by weight		
Features	High liquidity		
Appearance	Black		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Density	1.12	g/cm³	ISO 1183
Molding Shrinkage - Flow (4.32 mm)	0.40 - 0.50	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4530	MPa	ISO 527-2
Tensile Stress (Break)	65.0	MPa	ISO 527-2
Tensile Strain (Break)	2.8	%	ISO 527-2
Flexural Modulus	4260	MPa	ISO 178
Flexural Stress	97.7	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	28	kJ/m²	ISO 180
Instrumented Dart Impact			ASTM D3763
102 mm, Energy at Failure	21.4	J	ASTM D3763
102 mm, Energy at Max Load	12.1	J	ASTM D3763
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	160	°C	ISO 75-2/A
CLTE - Flow (-40 to 121°C)	5.1E-5	cm/cm/°C	ASTM E831
Additional Information			

Specific Gravity, ISO 1183, Laminate: 1.12Specific Gravity, ISO 1183, Molded: 1.15Sheet Thickness, internal: 4.32mmBasis Weight (Mass per unit area), internal: 4.83 kg/m²Poisson's Ratio, ISO 527: 0.428Multiaxial Impact, ASTM D-3763, Force @ max load, 4.0" thickness: 2629 N

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

