

AZDEL™ U400-B01N (Transverse)

Polypropylene Alloy

Azdel, Inc.

Message:

Azdel® U400-B01N is a uni-directional fiber and random glass mat reinforced polypropylene composite material featuring excellent fiber distribution over long flow paths and complex part forms. This material allows highly directionalised reinforcement in applications where major loads are in defined planes. Typically combined with Azdel chopped and random mat to localised high stress paths, minimising part weight and cost. For use in semi-structural applications and especially suited to adhesion bonded assemblies.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 42% filler by weight		
Uses	Laminate		
Forms	Sheet		
Processing Method	Compression molding		
Physical	Nominal Value	Unit	Test Method
Density	1.24	g/cm³	ISO 1183
Molding Shrinkage	0.40	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	5800	MPa	ISO 527-2
Tensile Stress (Yield)	80.0	MPa	ISO 527-2
Tensile Strain (Break)	2.0	%	ISO 527-2
Flexural Modulus	5.50	MPa	ISO 178
Flexural Stress	130	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	65	kJ/m²	ISO 179/2fnU
Additional Information			

Mass Per Unit Area, Azdel Test Method: 3.745 kg/m³Thickness, Azdel Test Method: 3.2 mmDensity, ISO1183 Test Method, Moulded Plaques: 1.24 g/cm³

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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



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