

AZMET™ CM20350

Polybutylene Terephthalate

Azdel, Inc.

Message:

AZDEL CM20350 is a glass mat thermoplastic laminate based upon random oriented continuous fiber mat contained within Polybutylene Terephthalate (PBT) resin matrix. This composite material features high flow properties and a generally homogeneous fiber distribution. This material is typically used for standard semi-structural applications where increased temperature performance is desired.

General Information			
Filler / Reinforcement	Long glass fiber, 35% filler by weight		
Appearance	Black		
Forms	Sheet		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.59	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.30 - 0.40	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	8280	MPa	ISO 527-2
Tensile Stress (Yield)	104	MPa	ISO 527-2
Tensile Strain (Break)	2.0	%	ISO 527-2
Flexural Modulus	8280	MPa	ISO 178
Flexural Stress	220	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Instrumented Dart Impact (4.00 mm, Total Energy)	28.5	J	ASTM D3763
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	218	°C	ASTM D648
Additional Information			

Basis Weight, Internal Test Method: 1.06 lbs/ft²Filler Content by Weight(ashing), Internal Test Method: 35 %Notched Izod Impact, ISO 180, 23°C, 4mm: 694 J/mPoissons Ratio, ISO 527: 0.32Sheet Thickness, Internal Test Method: 132 milsSpecific Gravity, ASTM D792, Laminated: 1.59Specific Gravity, ASTM D792, Molded: 1.62

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



WECHAT