

Shinblend® A274G20

Polycarbonate + PBT

Shinkong Synthetic Fiber Corp.

Message:

Shinblend® A274G20 is a Polycarbonate + PBT (PC+PBT) material filled with 20% glass fiber. It is available in North America for injection molding.

Important attributes of Shinblend® A274G20 are:

Flame Rated

Good Stiffness

High Strength

Impact Resistant

General Information			
UL YellowCard	E107536-218553		
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Features	Good Impact Resistance		
	Good Stiffness		
	High Strength		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.35	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (265°C/3.4 kg)	6.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.30	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	116		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	77.9	MPa	ASTM D638
Tensile Elongation (Yield)	3.0	%	ASTM D638
Flexural Modulus	4900	MPa	ASTM D790
Flexural Strength (Yield)	137	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	190	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	122	°C	
1.8 MPa, Unannealed	116	°C	
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
0.794 mm	HB		
1.59 mm	HB		

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

