

POLYblend PC/ABS 45FS GF20

Polycarbonate + ABS

Polykemi AB

Message:

PC/ABS-blend Glass fibre-reinforced

General Information			
UL YellowCard	E122538-100890613		
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
UL File Number	E122538		
Physical	Nominal Value	Unit	Test Method
Density	1.22	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (240°C/5.0 kg)	8.0	g/10 min	ISO 1133
Molding Shrinkage			ISO 294-4
Across Flow	0.20 to 0.40	%	
Flow	0.20 to 0.40	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	85.0	MPa	ISO 527-2
Tensile Strain (Yield)	5.5	%	ISO 527-2
Flexural Modulus (23°C)	5700	MPa	ISO 178
Flexural Stress	132	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C	6.0	kJ/m ²	
23°C	7.0	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179
-30°C	20	kJ/m ²	
23°C	20	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ¹			
0.45 MPa, Unannealed	107	°C	ISO 75-2/B
0.45 MPa, Annealed	107	°C	ISO 75-2/B
1.8 MPa, Unannealed	99.0	°C	ISO 75-2/A
1.8 MPa, Annealed	100	°C	ISO 75-2/A
Vicat Softening Temperature			
--	118	°C	ISO 306/A50
--	105	°C	ISO 306/B50
Ball Pressure Test (100°C)	Pass		IEC 60695-10-2
CLTE - Flow	3.0E-5 to 3.5E-5	cm/cm/°C	Internal Method
Flammability	Nominal Value	Unit	Test Method

Flame Rating (1.60 mm)	HB	UL 94
Glow Wire Ignition Temperature (2.00 mm)	750	°C IEC 60695-2-13
NOTE		
1.	120°C/hr	

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