

POLYblend PC/ABS 85FS GF20

Polycarbonate + ABS

Polykemi AB

Message:

PC/ABS-blend Glass fibre-reinforced

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Physical	Nominal Value	Unit	Test Method
Density	1.27	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (260°C/5.0 kg)	15	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	93.0	MPa	ISO 527-2
Tensile Strain (Yield)	5.5	%	ISO 527-2
Flexural Modulus (23°C)	6000	MPa	ISO 178
Flexural Stress	143	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-20°C	6.0	kJ/m ²	
23°C	7.0	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179
-30°C	25	kJ/m ²	
23°C	25	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ¹			
0.45 MPa, Unannealed	126	°C	ISO 75-2/B
0.45 MPa, Annealed	127	°C	ISO 75-2/B
1.8 MPa, Unannealed	115	°C	ISO 75-2/A
1.8 MPa, Annealed	117	°C	ISO 75-2/A
Vicat Softening Temperature			
--	132	°C	ISO 306/A50
--	123	°C	ISO 306/B50
Ball Pressure Test (125°C)	Pass		IEC 60695-10-2
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			

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