

POLYabs F00 GF17

Acrylonitrile Butadiene Styrene

Polykemi AB

Message:

Glass fibre-reinforced

General Information			
Filler / Reinforcement	Glass Fiber, 17% Filler by Weight		
Physical	Nominal Value	Unit	Test Method
Density	1.14	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°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	42.0	MPa	ISO 527-2
Tensile Strain (Break)	4.5	%	ISO 527-2
Flexural Modulus (23°C)	3900	MPa	ISO 178
Flexural Stress	73.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	5.0	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ¹			
0.45 MPa, Unannealed	105	°C	ISO 75-2/B
1.8 MPa, Unannealed	95.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	110	°C	ISO 306/A50
--	105	°C	ISO 306/B50
NOTE			
1.	120°C/hr		

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