

Anjacom® 150-GF50

Polycarbonate
Almaak International GmbH

Message:

Anjacom® 150-GF50 is a Polycarbonate (PC) material filled with 50% glass fiber. It is available in Europe.

General Information			
Filler / Reinforcement	Glass Fiber,50% Filler by Weight		
Appearance	Natural Color		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.63	g/cm³	ISO 1183
Molding Shrinkage			ISO 294-4
Across Flow	0.20 to 0.30	%	
Flow	0.20 to 0.30	%	
Water Absorption			ISO 62
23°C, 24 hr	0.30	%	
Equilibrium, 23°C, 50% RH	0.15	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	15000	MPa	ISO 527-2/1
Tensile Stress (Break)	145	MPa	ISO 527-2/5
Tensile Strain (Break)	1.5	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	12	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	45	kJ/m²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	140	°C	ISO 75-2/B
1.8 MPa, Unannealed	135	°C	ISO 75-2/A
Vicat Softening Temperature	140	°C	ISO 306/B50
Melting Temperature	148	°C	DSC
Injection	Nominal Value	Unit	
Drying Temperature	100	°C	
Drying Time	2.0 to 5.0	hr	
Suggested Max Moisture	0.020	%	
Processing (Melt) Temp	280 to 320	°C	
Mold Temperature	80.0 to 120	°C	

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