

Anjacom® 150-GF20

Polycarbonate

Almaak International GmbH

Message:

Anjacom® 150-GF20 is a polycarbonate (PC) material, which contains a 20% glass fiber reinforced material. This product is available in Europe, and the processing method is injection molding. Anjacom® The main characteristics of 150-GF20 are: flame retardant/rated flame.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 20% filler by weight		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.35	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (300°C/1.2 kg)	6.00	cm ³ /10min	ISO 1133
Water Absorption			ISO 62
23°C, 24 hr	0.29	%	ISO 62
Equilibrium, 23°C, 50% RH	0.12	%	ISO 62
Relative Viscosity	56.0		ISO 1628
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	6500	MPa	ISO 527-2/1
Tensile Stress (Break)	105	MPa	ISO 527-2/5
Tensile Strain (Break)	2.5	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	12	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	66	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	145	°C	ISO 75-2/B
1.8 MPa, not annealed	138	°C	ISO 75-2/A
Glass Transition Temperature	148	°C	DSC
Vicat Softening Temperature	147	°C	ISO 306/B50
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	30	kV/mm	IEC 60243-1
Comparative Tracking Index	185	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	V-1		UL 94
Glow Wire Flammability Index (4.00 mm)	960	°C	IEC 60695-2-12
Injection	Nominal Value	Unit	
Drying Temperature	120	°C	
Drying Time	2.0 - 5.0	hr	
Suggested Max Moisture	0.020	%	

Processing (Melt) Temp	280 - 320	°C
Mold Temperature	80.0 - 120	°C

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Recommended distributors for this material

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