

Anjacom® 450-GF10

Polybutylene Terephthalate
Almaak International GmbH

Message:

Anjacom® 450-GF10 is a Polybutylene Terephthalate (PBT) material filled with 10% glass fiber. It is available in Europe for injection molding. Primary attribute of Anjacom® 450-GF10: Flame Rated.

General Information			
Filler / Reinforcement	Glass Fiber,10% Filler by Weight		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.38	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (260°C/2.16 kg)	28.0	cm³/10min	ISO 1133
Water Absorption			ISO 62
23°C, 24 hr	0.40	%	
Equilibrium, 23°C, 50% RH	0.20	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4500	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)	4.0	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	28	kJ/m²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	210	°C	ISO 75-2/B
1.8 MPa, Unannealed	185	°C	ISO 75-2/A
Vicat Softening Temperature	205	°C	ISO 306/B50
Melting Temperature (DSC)	224	°C	DSC
Flammability	Nominal Value		Test Method
Flame Rating (1.60 mm)	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	110	°C	
Drying Time	4.0 to 10	hr	
Suggested Max Moisture	0.020	%	
Processing (Melt) Temp	250 to 270	°C	
Mold Temperature	80.0 to 110	°C	

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