

Anjaflam® 150-FR/GF10

Polycarbonate
Almaak International GmbH

Message:

Anjaflam® 150-FR/GF10 is a Polycarbonate (PC) material filled with 10% glass fiber. It is available in Europe for injection molding.
Important attributes of Anjaflam® 150-FR/GF10 are:
Flame Rated
Flame Retardant

General Information			
Filler / Reinforcement	Glass Fiber,10% Filler by Weight		
Features	Flame Retardant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.28	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (300°C/1.2 kg)	8.00	cm³/10min	ISO 1133
Molding Shrinkage			ISO 294-4
Across Flow	0.30 to 0.50	%	
Flow	0.20 to 0.40	%	
Water Absorption			ISO 62
23°C, 24 hr	0.30	%	
Equilibrium, 23°C, 50% RH	0.13	%	
Relative Viscosity	56.0		ISO 1628
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4000	MPa	ISO 527-2/1
Tensile Stress (Break)	75.0	MPa	ISO 527-2/5
Tensile Strain (Break)	5.0	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	8.0	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	70	kJ/m²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	142	°C	ISO 75-2/B
1.8 MPa, Unannealed	135	°C	ISO 75-2/A
Glass Transition Temperature	148	°C	DSC
Vicat Softening Temperature	145	°C	ISO 306/B50
Electrical	Nominal Value	Unit	Test Method
Electric Strength	30	kV/mm	IEC 60243-1
Comparative Tracking Index	175	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method

Flame Rating (1.60 mm)	V-0	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 to 5.0	hr
Suggested Max Moisture	0.020	%
Processing (Melt) Temp	280 to 320	°C
Mold Temperature	85.0 to 120	°C

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Recommended distributors for this material

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