

Anjaflam® 450-FR/GF15

Polybutylene Terephthalate
Almaak International GmbH

Message:

Anjaflam® 450-FR/GF15 is a Polybutylene Terephthalate (PBT) material filled with 15% glass fiber. It is available in Europe for injection molding. Important attributes of Anjaflam® 450-FR/GF15 are:
Flame Rated
Flame Retardant

General Information			
UL YellowCard	E169818-225426		
Filler / Reinforcement	Glass Fiber, 15% Filler by Weight		
Features	Flame Retardant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.55	g/cm ³	ISO 1183
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	6700	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)	5.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	40	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	205	°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	ISO 3146
Electrical	Nominal Value	Unit	Test Method
Electric Strength	29	kV/mm	IEC 60243-1
Comparative Tracking Index	200	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.50 mm)	V-0		UL 94
Glow Wire Ignition Temperature (2.00 mm)	960	°C	IEC 60695-2-13
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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Recommended distributors for this material

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