

Anjacom® 250-GF30

Polyamide 6
Almaak International GmbH

Message:

Anjacom® 250-GF30 is a Polyamide 6 (Nylon 6) material filled with 30% glass fiber. It is available in Europe for injection molding. Primary attribute of Anjacom® 250-GF30: Flame Rated.

General Information			
UL YellowCard	E169818-225425		
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.36	g/cm³	ISO 1183
Molding Shrinkage			ISO 294-4
Across Flow	0.85	%	
Flow	0.30	%	
Water Absorption			ISO 62
23°C, 24 hr	7.0	%	
Equilibrium, 23°C, 50% RH	2.1	%	
Viscosity Number	150	cm³/g	ISO 307
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	9500	MPa	ISO 527-2/1
Tensile Stress (Break)	180	MPa	ISO 527-2/5
Tensile Strain (Break)	3.0	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	14	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	90	kJ/m²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	215	°C	ISO 75-2/B
1.8 MPa, Unannealed	205	°C	ISO 75-2/A
Vicat Softening Temperature	210	°C	ISO 306/B50
Melting Temperature (DSC)	220	°C	DSC
Electrical	Nominal Value	Unit	Test Method
Electric Strength	40	kV/mm	IEC 60243-1
Comparative Tracking Index	400	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	HB		UL 94
Glow Wire Ignition Temperature (2.00 mm)	500	°C	IEC 60695-2-13
Injection	Nominal Value	Unit	

Drying Temperature	80.0	°C
Drying Time	4.0 to 10	hr
Suggested Max Moisture	0.10	%
Processing (Melt) Temp	260 to 290	°C
Mold Temperature	80.0 to 120	°C

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Recommended distributors for this material

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