

Anjatech® 250-E/GF15

Polyamide 6
Almaak International GmbH

Message:

Anjatech® 250-E/GF15 is a Polyamide 6 (Nylon 6) material filled with 15% glass fiber. It is available in Europe for injection molding. Primary attribute of Anjatech® 250-E/GF15: Flame Rated.

General Information			
Filler / Reinforcement	Glass Fiber,15% Filler by Weight		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.17	g/cm ³	ISO 1183
Water Absorption			ISO 62
23°C, 24 hr	8.0	%	
Equilibrium, 23°C, 50% RH	2.5	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	5200	MPa	ISO 527-2/1
Tensile Stress (Break)	90.0	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)	16	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	60	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	180	°C	ISO 75-2/A
Vicat Softening Temperature	200	°C	ISO 306/B50
Melting Temperature (DSC)	220	°C	DSC
Flammability	Nominal Value		Test Method
Flame Rating (1.60 mm)	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	4.0 to 10	hr	
Suggested Max Moisture	0.10	%	
Processing (Melt) Temp	250 to 280	°C	
Mold Temperature	80.0 to 115	°C	

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