

Anjacom® R250-GF15

Polyamide 6
Almaak International GmbH

Message:

Anjacom® R250-GF15 is a Polyamide 6 (Nylon 6) material filled with 15% glass fiber. It is available in Europe for injection molding. Primary attribute of Anjacom® R250-GF15: Flame Rated.

General Information			
Filler / Reinforcement	Glass Fiber,15% Filler by Weight		
Appearance	Black		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.23	g/cm³	ISO 1183
Water Absorption			ISO 62
23°C, 24 hr	8.2	%	
Equilibrium, 23°C, 50% RH	2.8	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	5000	MPa	ISO 527-2/1
Tensile Stress (Break)	110	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)	3.5	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	35	kJ/m²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	185	°C	ISO 75-2/A
Vicat Softening Temperature	190	°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	260 to 290	°C	
Mold Temperature	80.0 to 120	°C	

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Recommended distributors for this material

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