

Anjacom® 555S-GF17

Acrylonitrile Butadiene Styrene

Almaak International GmbH

Message:

Anjacom® 555S-GF17 is an Acrylonitrile Butadiene Styrene (ABS) material filled with 17% glass fiber. It is available in Europe. Primary attribute of Anjacom® 555S-GF17: Flame Rated.

General Information			
Filler / Reinforcement	Glass Fiber, 17% Filler by Weight		
Features	Good Flow		
Appearance	Black		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.16	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (220°C/10.0 kg)	14.0	cm ³ /10min	ISO 1133
Molding Shrinkage			ISO 294-4
Across Flow	0.30 to 0.50	%	
Flow	0.30 to 0.50	%	
Water Absorption (Equilibrium, 23°C, 50% RH)	0.20	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	5500	MPa	ISO 527-2/1
Tensile Stress (Break)	61.0	MPa	ISO 527-2/5
Tensile Strain (Break)	1.6	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	5.5	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	20	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	96.0	°C	ISO 75-2/A
Vicat Softening Temperature	98.0	°C	ISO 306/B50
Flammability	Nominal Value		Test Method
Flame Rating (1.60 mm)	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	70.0 to 90.0	°C	
Drying Time	2.0 to 3.0	hr	
Suggested Max Moisture	0.20	%	
Processing (Melt) Temp	240 to 260	°C	
Mold Temperature	50.0 to 80.0	°C	

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