

Rotec® ABS 1001 GF 10

Acrylonitrile Butadiene Styrene

ROMIRA GmbH

Message:

Rotec® ABS 1001 GF 10 is an acrylonitrile butadiene styrene (ABS) material, and the filler is 10% glass fiber reinforced material. This product is available in Europe.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 10% filler by weight		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Density	1.12	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	10	g/10 min	ISO 1133
Molding Shrinkage	0.30 - 0.50	%	ISO 294-4
Water Absorption (23°C, 24 hr)	0.30	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	4000	MPa	ISO 527-2
Tensile Stress (Yield, 23°C)	61.0	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	4.0	%	ISO 527-2
Flexural Modulus (23°C)	3500	MPa	ISO 178
Flexural Stress (23°C)	93.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength (23°C)	20	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	105	°C	ISO 306/B50
Additional Information			

Most tests were performed under DIN test standards. Density, DIN 53479, 23°C, 50% RH: 1.12 g/ml Mold Shrinkage, DIN 16901, 23°C: .3 to .5 % Charpy Unnotched Impact Strength, ISO 179, 23°C, Type 1, Edgewise, 80x10x4, Color/Natural: 20 kJ/m²

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