

Rotec® ABS 1001 GK20

Acrylonitrile Butadiene Styrene

ROMIRA GmbH

Message:

Rotec® ABS 1001 GK20 is an acrylonitrile butadiene styrene (ABS) material containing 20% glass beads. This product is available in Europe, and the processing method is injection molding. Rotec® The main characteristics of ABS 1001 GK20 are: flame retardant/rated flame.

General Information			
UL YellowCard	E148878-100192035		
Filler / Reinforcement	Glass beads, 20% filler by weight		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.17	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	18	g/10 min	ISO 1133
Water Absorption (23°C, 24 hr)	0.30	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	3000	MPa	ISO 527-2/1
Tensile Stress (23°C)	34.0	MPa	ISO 527-2/5
Tensile Strain (Break, 23°C)	15	%	ISO 527-2/5
Flexural Modulus ¹ (23°C)	2900	MPa	ISO 178
Flexural Stress ² (23°C)	68.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength (23°C)	30	kJ/m²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	100	°C	ISO 306/B50
Flammability	Nominal Value		Test Method
Flame Rating (1.5 mm)	HB		UL 94
NOTE			
1.	2.0 mm/min		
2.	2.0 mm/min		

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Recommended distributors for this material

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