

Rotec® ABS 1002 FR V0/4

Acrylonitrile Butadiene Styrene

ROMIRA GmbH

Message:

Rotec® ABS 1002 FR V0/4 is an acrylonitrile butadiene styrene (ABS) material. This product is available in Europe, and the processing method is injection molding.

Rotec® The main features of ABS 1002 FR V0/4 are:

flame retardant/rated flame

Flame Retardant

General Information			
UL YellowCard	E148878-101031221		
Additive	Flame retardancy		
Features	Flame retardancy		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.19	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	55	g/10 min	ISO 1133
Molding Shrinkage (23°C)	0.40 - 0.70	%	ISO 294-4
Water Absorption (23°C, 24 hr)	0.30	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	2700	MPa	ISO 527-2/1
Tensile Stress (23°C)	40.0	MPa	ISO 527-2/50
Tensile Strain (Break, 23°C)	20	%	ISO 527-2/50
Flexural Modulus ¹ (23°C)	2400	MPa	ISO 178
Flexural Stress ² (23°C)	64.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	18	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	80	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	76.0	°C	ISO 75-2/A
Vicat Softening Temperature	83.0	°C	ISO 306/B50
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
1.5 mm	V-0		UL 94
	V-0		
3.0 mm	5VA		UL 94
Glow Wire Flammability Index (2.0 mm)	960	°C	IEC 60695-2-12

NOTE

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|----|------------|
| 1. | 2.0 mm/min |
| 2. | 2.0 mm/min |

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Recommended distributors for this material

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