

Rotec® ABS 1002

Acrylonitrile Butadiene Styrene

ROMIRA GmbH

Message:

Rotec® ABS 1002 is an acrylonitrile butadiene styrene (ABS) material. This product is available in Europe. Rotec®The main characteristics of ABS 1002 are: flame retardant/rated flame.

General Information			
UL File Number	148878		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Density	1.06	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	32	g/10 min	ISO 1133
Molding Shrinkage	0.30 - 0.60	%	ISO 294-4
Water Absorption (23°C, 24 hr)	0.30	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, 23°C)	52.0	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	5.1	%	ISO 527-2
Flexural Modulus (23°C)	2900	MPa	ISO 178
Flexural Stress (23°C)	63.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
	8.0		
Charpy Notched Impact Strength (23°C)	9.0	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	60	kJ/m²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	103	°C	ISO 306/B50
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94
Additional Information			

Most tests were performed under DIN test standards.Density, DIN 53479, 23°C, 50% RH: 1.06 g/mlHDT, DIN 53461: 93 °CCharpy Notched Bar Impact Strength, ISO 179, 23°C, Type 1, Edgewise, Notch A, 80x10x4, Natural: 9 kJ/m²Charpy Notched Bar Impact Strength, ISO 179, 23°C, Type 1, Edgewise, Notch A, 80x10x4, Color: 8 kJ/m²Charpy Unnotched Impact Strength, ISO 179, 23°C, Type 1, Edgewise, 80x10x4, Color/Natural: 60 kJ/m²

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

