

Rotec® ABS 1501

Acrylonitrile Butadiene Styrene

ROMIRA GmbH

Message:

Rotec® ABS 1501 is an acrylonitrile butadiene styrene (ABS) material. This product is available in Europe.

General Information			
UL YellowCard	E148878-223627		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Density	1.06	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	30	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)	50.0	MPa	ISO 527-2
Impact	Nominal Value	Unit	Test Method
	5.0		
Charpy Notched Impact Strength (23°C)	6.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	35	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	104	°C	ISO 306/B50
Additional Information			

Most tests were performed under DIN test standards. Density, DIN 53479, 23°C, 50% RH: 1.06 g/mlHDT, DIN 53461: 91 °CCharpy Notched Bar Impact Strength, ISO 179, 23°C, Type 1, Edgewise, Notch A, 80x10x4, Natural: 6 kJ/m²Charpy Notched Bar Impact Strength, ISO 179, 23°C, Type 1, Edgewise, Notch A, 80x10x4, Color: 5 kJ/m²Charpy Unnotched Impact Strength, ISO 179, 23°C, Type 1, Edgewise, 80x10x4, Color/Natural: 35 kJ/m²

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