

Rotec® ABS 1001 TR-AC

Acrylonitrile Butadiene Styrene

ROMIRA GmbH

Message:

Rotec® ABS 1001 TR-AC is an acrylonitrile butadiene styrene (ABS) material. This product is available in Europe and is processed by extrusion or injection molding. Rotec® The main characteristics of ABS 1001 TR-AC are: flame retardant/rated flame.

General Information			
Appearance	Clear/transparent		
Forms	Particle		
Processing Method	Extrusion		
	Injection molding		

Physical	Nominal Value	Unit	Test Method
Density	1.11	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	17	g/10 min	ISO 1133
Molding Shrinkage	0.30 - 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)	2400	MPa	ISO 527-2/1
Tensile Stress (Yield, 23°C)	50.0	MPa	ISO 527-2/50
Tensile Strain (Break, 23°C)	15	%	ISO 527-2/50
Flexural Modulus ¹ (23°C)	2600	MPa	ISO 178
Flexural Stress ² (23°C)	60.0	MPa	ISO 178

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	12	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)	84.0	°C	ISO 75-2/A
Vicat Softening Temperature	93.0	°C	ISO 306/B50

Flammability	Nominal Value	Test Method
Flame Rating (1.50 mm)	HB	UL 94

Injection	Nominal Value	Unit
Drying Temperature	< 80.0	°C
Drying Time	2.0 - 4.0	hr
Suggested Max Moisture	0.050	%
Suggested Max Regrind	5	%
Rear Temperature	210 - 250	°C
Middle Temperature	210 - 250	°C

Front Temperature	210 - 250	°C
Processing (Melt) Temp	< 260	°C
Mold Temperature	40.0 - 80.0	°C
Injection Rate	Fast	

Injection instructions

Screw rotation speed: moderate to high Back pressure: low to moderate Injection pressure: tool depending

Extrusion	Nominal Value	Unit
Drying Temperature	< 80.0	°C
Drying Time	2.0 - 4.0	hr
Suggested Max Moisture	< 0.050	%
Cylinder Zone 1 Temp.	190 - 210	°C
Cylinder Zone 2 Temp.	190 - 210	°C
Cylinder Zone 3 Temp.	190 - 210	°C
Cylinder Zone 4 Temp.	190 - 210	°C
Cylinder Zone 5 Temp.	190 - 210	°C
Melt Temperature	< 245	°C

NOTE

1. 2.0 mm/min
2. 2.0 mm/min

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

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



WECHAT