

Rotec® ABS 1001 FR V0/4

Acrylonitrile Butadiene Styrene

ROMIRA GmbH

Message:

Rotec® ABS 1001 FR V0/4 is an acrylonitrile butadiene styrene (ABS) material. This product is available in Europe and is processed by extrusion or injection molding.

Rotec® The main features of ABS 1001 FR V0/4 are:

flame retardant/rated flame

Flame Retardant

high liquidity

General Information			
UL YellowCard	E148878-223636	E148878-223635	
Features	High liquidity		
	Flame retardancy		
UL File Number	E148878		
Forms	Particle		
Processing Method	Extrusion		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.20	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	64	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 Modulus (23°C)	2800	MPa	ISO 527-2/1
Tensile Stress (Yield, 23°C)	42.0	MPa	ISO 527-2/50
Tensile Strain (Break, 23°C)	10	%	ISO 527-2/50
Flexural Modulus ¹ (23°C)	2600	MPa	ISO 178
Flexural Stress ² (23°C)	65.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	12	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	No Break		ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	75.0	°C	ISO 75-2/A
Vicat Softening Temperature	86.0	°C	ISO 306/B50
Flammability	Nominal Value	Test Method	
Flame Rating (1.50 mm)	V-0	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	200 - 230	°C
Middle Temperature	200 - 230	°C
Front Temperature	200 - 230	°C
Processing (Melt) Temp	< 235	°C
Mold Temperature	40.0 - 60.0	°C
Injection Rate	Slow	

Injection instructions

Screw rotation speed: slowBack pressure: 10%Injection pressure: high

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.	170 - 200	°C
Cylinder Zone 2 Temp.	170 - 200	°C
Cylinder Zone 3 Temp.	170 - 200	°C
Cylinder Zone 4 Temp.	170 - 200	°C
Cylinder Zone 5 Temp.	170 - 200	°C
Melt Temperature	< 200	°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

