

UMG ABS® 3001MG2A

Acrylonitrile Butadiene Styrene

UMG ABS, Ltd.

Message:

UMG ABS® 3001MG2A is an Acrylonitrile Butadiene Styrene (ABS) material. It is available in Asia Pacific or North America for injection molding. Primary attribute of UMG ABS® 3001MG2A: RoHS Compliant.

General Information			
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.05	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (220°C/10.0 kg)	24.0	cm ³ /10min	ISO 1133
Molding Shrinkage - Flow (23°C)	0.40 to 0.60	%	ISO 294-4
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, 23°C)	107		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	2200	MPa	ISO 527-2
Tensile Stress (23°C)	41.0	MPa	ISO 527-2
Flexural Modulus ¹ (23°C)	2300	MPa	ISO 178
Flexural Stress ² (23°C)	65.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C	20	kJ/m ²	
23°C	31	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	80.0	°C	ISO 75-2/Af
CLTE - Flow	8.5E-5	cm/cm/°C	ISO 11359-2
Injection	Nominal Value	Unit	
Drying Temperature	85.0 to 90.0	°C	
Drying Time	3.0 to 4.0	hr	
Rear Temperature	200 to 230	°C	
Middle Temperature	230 to 250	°C	
Front Temperature	240 to 270	°C	
Nozzle Temperature	200 to 230	°C	
Processing (Melt) Temp	240 to 280	°C	
Mold Temperature	50.0 to 60.0	°C	
Injection Pressure	70.0 to 140	MPa	

Injection Rate	Slow	
Back Pressure	5.00 to 15.0	MPa
Screw Speed	50 to 100	rpm
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