

ELIX™ ABS P2M-AT

Acrylonitrile Butadiene Styrene

ELIX Polymers, S. L.

Message:

ELIX ABS P2M-AT

High impact strength, high gloss, contains antistatic additive

ISO Shortname: ISO 2580-1 -ABS 0, MGZ, 095-30-16-20

General Information			
UL YellowCard	E350602-101011283		
Additive	Antistatic		
Features	Antistatic		
	High Gloss		
	High Impact Resistance		
Forms	Pellets		
Processing Method	Injection Molding		
Part Marking Code (ISO 2580)	ABS 0, MGZ, 095-30-16-20		
Physical	Nominal Value	Unit	Test Method
Density	1.04	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (220°C/10.0 kg)	22.0	cm ³ /10min	ISO 1133
Molding Shrinkage ¹			ISO 294-4
Across Flow	0.40 to 0.70	%	
Flow	0.40 to 0.70	%	
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness	95.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	2300	MPa	ISO 527-2/1
Tensile Stress (Yield, 23°C)	39.0	MPa	ISO 527-2/50
Tensile Strain			ISO 527-2/50
Yield, 23°C	2.1	%	
Break, 23°C	> 15	%	
Flexural Modulus ² (23°C)	2100	MPa	ISO 178
Flexural Stress ³ (23°C)	62.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	11	kJ/m ²	
23°C	22	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	120	kJ/m ²	

23°C	180	kJ/m ²	
Notched Izod Impact Strength			ISO 180/1A
-30°C	11	kJ/m ²	
23°C	23	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	97.0	°C	ISO 75-2/B
1.8 MPa, Unannealed	93.0	°C	ISO 75-2/A
Vicat Softening Temperature	98.0	°C	ISO 306/B50
CLTE - Flow (23 to 55°C)	1.0E-4	cm/cm/°C	ISO 11359-2
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+15	ohms	IEC 60093
Volume Resistivity	1.0E+15	ohms·cm	IEC 60093
Electric Strength (23°C, 1.00 mm)	33	kV/mm	IEC 60243-1
Relative Permittivity			IEC 60250
23°C, 100 Hz	3.10		
23°C, 1 MHz	3.00		
Dissipation Factor			IEC 60250
23°C, 100 Hz	6.0E-3		
23°C, 1 MHz	8.0E-3		
Comparative Tracking Index (Solution A)	600	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Burning Rate ⁴ (2.00 mm)	55	mm/min	ISO 3795
Flame Rating (1.60 mm)	HB		UL 94
Injection	Nominal Value	Unit	Test Method
Processing (Melt) Temp	240	°C	
Mold Temperature	70.0	°C	
Injection Velocity	240	mm/sec	ISO 294
NOTE			
1.	60x60x2		
2.	2.0 mm/min		
3.	2.0 mm/min		
4.	US - FMVSS		

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

