

4LAC® 25H23100 A-M

Acrylonitrile Butadiene Styrene
4Plas

Message:

4LAC 25H23100 A-M is a MFI 20 to 22 FR-V0 Anti-Microbial ABS

General Information			
Features	Antimicrobial		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.18	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (270°C/2.16 kg)	22	g/10 min	ISO 1133
Water Absorption ¹ (Equilibrium, 23°C, 50% RH)	0.20	%	ISO 62
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	102		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	2300	MPa	ISO 527-2/5
Tensile Stress (Break, 23°C)	44.0	MPa	ISO 527-2/5
Tensile Strain (Break, 23°C)	3.0	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ISO 180/1A
-30°C	30	kJ/m ²	ISO 180/1A
23°C	40	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	118	°C	ISO 75-2/B
1.8 MPa, not annealed	104	°C	ISO 75-2/A
Vicat Softening Temperature	124	°C	ISO 306/B
Electrical	Nominal Value	Unit	Test Method
High Amp Arc Ignition (HAI) (1.57 mm)	10.0		UL 746
Hot-wire Ignition (HWI) (1.57 mm)	57	sec	UL 746
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	V-0		UL 94
Glow Wire Flammability Index (2.00 mm)	960	°C	IEC 60695-2-12
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	2.0 - 4.0	hr	
Suggested Max Moisture	0.10	%	
Processing (Melt) Temp	190 - 230	°C	

Mold Temperature	50.0 - 60.0	°C
Injection Rate	Moderate-Fast	
Holding Pressure	50.0 - 100	MPa
Screw Speed	200	rpm

Injection instructions

Feed Throat Temperature: 30 - 50 °CBack Pressure: Low

NOTE

1.
- 24 Hrs

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