4LAC® 10H20000 A-M

Acrylonitrile Butadiene Styrene

4Plas

Message:

4LAC 10H20000 A-M is a Prime Standard Flow Unfilled Anti-Microbial ABS

General Information			
Features	Antimicrobial		
Processing Method	Injection molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.04	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/3.8 kg)	12 - 16	g/10 min	ISO 1133
Molding Shrinkage	0.30 - 0.60	%	ISO 2557
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus (23°C)	2600	MPa	ISO 527-2/5
Tensile Stress (Break, 23°C)	43.0	MPa	ISO 527-2/5
Tensile Strain (Break, 23°C)	3.0	%	ISO 527-2/5
Flexural Stress	70.0	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (23°C)	15	kJ/m²	ISO 180/1A
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature			
0.45 MPa, not annealed	97.0	°C	ISO 75-2/B
1.8 MPa, not annealed	94.0	°C	ISO 75-2/A
Vicat Softening Temperature	108	°C	ISO 306/B
Electrical	**Nominal Value**	**Unit**	**Test Method**
Comparative Tracking Index	400	V	IEC 60112
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating			UL 94
1.60 mm	HB		UL 94
3.20 mm	HB		UL 94
Glow Wire Flammability Index (2.00 mm)	650	°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

Recommended distributors for this material

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