4LAC® 10H10000

Acrylonitrile Butadiene Styrene

4Plas

Message:

4LAC 10H10000 is a Extrusion Grade Unfilled ABS

General Information	
Processing Method	Extrusion
	Injection molding

Physical	Nominal Value	Unit	Test Method
Density	1.05	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	8.0	g/10 min	ISO 1133
Molding Shrinkage - Across Flow	0.50	%	
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus (23°C)	2000	MPa	ISO 527-2/5
Tensile Stress (Break, 23°C)	38.0	MPa	ISO 527-2/5
Tensile Strain (Break, 23°C)	20	%	ISO 527-2/5
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact			ISO 180/1A
-30°C	6.0	kJ/m²	ISO 180/1A
23°C	16	kJ/m²	ISO 180/1A
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating (1.60 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			
Extrusion	**Nominal Value**	**Unit**	
Drying Temperature	80.0	°C	
Drying Time	2.0 - 4.0	hr	

Suggested Max Moisture	0.10	%
Melt Temperature	190 - 230	°C
Die Temperature	50.0 - 60.0	°C

Recommended distributors for this material

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