

SAXALAC™ 120T

Acrylonitrile Butadiene Styrene

SAX Polymers

Message:

Saxalac 120T is an antistatic, easy flowing ABS injection molding grade, characterized by high impact strength, high stiffness and good resistance to heat distortion.

General Information			
UL YellowCard	E248415-100535683		
Additive	Antistatic		
Features	Antistatic		
	Good Flow		
	High Impact Resistance		
	High Stiffness		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.04	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (220°C/10.0 kg)	20.0	cm ³ /10min	ISO 1133
Molding Shrinkage	0.40 to 0.70	%	ISO 294-4
Moisture Content ¹	< 0.20	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	2300	MPa	ISO 527-2
Tensile Stress (Break, 23°C)	45.0	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	7.0	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	7.0	kJ/m ²	
23°C	22	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	65	kJ/m ²	
23°C	100	kJ/m ²	
Notched Izod Impact Strength			ISO 180/1A
-30°C	7.0	kJ/m ²	
23°C	27	kJ/m ²	
Unnotched Izod Impact Strength			ISO 180
-30°C	70	kJ/m ²	
23°C	100	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method

Heat Deflection Temperature ² (1.8 MPa, Unannealed, 60.0 mm Span)	85.0	°C	ISO 75-2/A
Vicat Softening Temperature	102	°C	ISO 306/B50
Ball Pressure Test (95°C, 2.00 mm)	Pass		IEC 60335-1
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.800 mm, ALL)	HB		UL 94
Glow Wire Flammability Index	650	°C	IEC 60695-2-12
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	2.0 to 4.0	hr	
Processing (Melt) Temp	220 to 260	°C	
Mold Temperature	60.0 to 90.0	°C	
NOTE			
1.	B130		
2.	80*10*4mm		

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