

SAXALAC™ 310T

Acrylonitrile Butadiene Styrene

SAX Polymers

Message:

Saxalac 310T is an antistatic, high impact resistant ABS injection molding grade, characterized by good processability and high stiffness.

General Information			
UL YellowCard	E248415-476870		
Additive	Antistatic		
Features	Antistatic		
	Good Processability		
	High Impact Resistance		
	High Stiffness		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.02	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (220°C/10.0 kg)	7.00	cm³/10min	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)	1900	MPa	ISO 527-2
Tensile Stress (Break, 23°C)	40.0	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	4.0	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	14	kJ/m²	
23°C	28	kJ/m²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	100	kJ/m²	
23°C	100	kJ/m²	
Notched Izod Impact Strength			ISO 180/1A
-30°C	15	kJ/m²	
23°C	30	kJ/m²	
Unnotched Izod Impact Strength			ISO 180
-30°C	100	kJ/m²	
23°C	100	kJ/m²	
Thermal	Nominal Value	Unit	Test Method

Heat Deflection Temperature ² (1.8 MPa, Unannealed, 60.0 mm Span)	92.0	°C	ISO 75-2/A
Vicat Softening Temperature	96.0	°C	ISO 306/B50
Ball Pressure Test (95°C, 2.00 mm)	Pass		IEC 60335-1
Flammability	Nominal Value	Unit	Test Method
Flame Rating	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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