

SAXATEC™ 4120

Acrylonitrile Styrene Acrylate

SAX Polymers

Message:

SAXATEC 4120 is a easy flowing, weatherable ASA injection molding grade, characterized by high impact strength, high stiffness and good resistance to heat distortion.

General Information			
Features	Good Flow		
	Good Weather Resistance		
	High Heat Resistance		
	High Impact Resistance		
	High Stiffness		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.07	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (220°C/10.0 kg)	20.0	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)	2700	MPa	ISO 527-2
Tensile Stress (Break, 23°C)	62.0	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	10	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	5.0	kJ/m²	
23°C	7.0	kJ/m²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	60	kJ/m²	
23°C	100	kJ/m²	
Notched Izod Impact Strength			ISO 180/1A
-30°C	5.0	kJ/m²	
23°C	7.0	kJ/m²	
Unnotched Izod Impact Strength			ISO 180
-30°C	40	kJ/m²	
23°C	80	kJ/m²	
Thermal	Nominal Value	Unit	Test Method

Heat Deflection Temperature ² (1.8 MPa, Unannealed, 60.0 mm Span)	89.0	°C	ISO 75-2/A
Vicat Softening Temperature	104	°C	ISO 306/B50
Ball Pressure Test (95°C, 2.00 mm)	Pass		IEC 60335-1
Flammability	Nominal Value	Unit	Test Method
Glow Wire Flammability Index	750	°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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