

SAXATEC™ 4307

Acrylonitrile Styrene Acrylate

SAX Polymers

Message:

SAXATEC 4307 is a high impact resistant, high viscosity and weatherable ASA injection molding grade, characterized by high mechanical strength and good processability.

General Information			
Features	Good Processability		
	High Impact Resistance		
	High Strength		
	High Viscosity		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.07	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (220°C/10.0 kg)	7.00	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)	2200	MPa	ISO 527-2
Tensile Stress (Break, 23°C)	45.0	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	15	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	16	kJ/m ²	
23°C	23	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	52	kJ/m ²	
23°C	100	kJ/m ²	
Notched Izod Impact Strength			ISO 180/1A
-30°C	16	kJ/m ²	
23°C	25	kJ/m ²	
Unnotched Izod Impact Strength			ISO 180
-30°C	45	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)	80.0	°C	ISO 75-2/A

Vicat Softening Temperature	93.0	°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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