

SAXALEN™ PPC339T20

Polypropylene Copolymer

SAX Polymers

Message:

SAXALEN PPC339T20 is a 20% mineral filled Polypropylene - Copolymer intended for injection moulding with good flow properties und higher stiffness. The PP-Copolymer has low warpage behaviors and good surface properties.

General Information			
Filler / Reinforcement	Mineral,20% Filler by Weight		
Features	Good Flow		
	Good Surface Finish		
	High Stiffness		
	Low Warpage		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.05	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	12.0	cm ³ /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2400	MPa	ISO 527-2/1
Tensile Stress (Break)	25.0	MPa	ISO 527-2/50
Tensile Strain (Break)	18	%	ISO 527-2/50
Flexural Modulus ¹	2000	MPa	ISO 178
Flexural Stress ²	33.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	5.0	kJ/m ²	
23°C	7.0	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	25	kJ/m ²	
23°C	50	kJ/m ²	
Notched Izod Impact Strength			ISO 180/1A
-30°C	4.0	kJ/m ²	
23°C	5.0	kJ/m ²	
Unnotched Izod Impact Strength			ISO 180/1U
-30°C	24	kJ/m ²	
23°C	55	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method

Heat Deflection Temperature ³ (1.8 MPa, Unannealed, 60.0 mm Span)	70.0	°C	ISO 75-2/A
Vicat Softening Temperature	75.0	°C	ISO 306/B120
Injection	Nominal Value	Unit	
Processing (Melt) Temp	220 to 250	°C	
Mold Temperature	40.0 to 70.0	°C	
NOTE			
1.	2.0 mm/min		
2.	2.0 mm/min		
3.	80*10*4mm		

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