

SAXALEN™ PPH335T20

Polypropylene Homopolymer

SAX Polymers

Message:

SAXALEN PPH335T20 is a 20 % mineral filled Polypropylene - Homopolymer intended for injection moulding with very good flow properties and higher stiffness by low warpage and good surface appearance.

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	1.04	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	14.0	cm ³ /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3000	MPa	ISO 527-2/1
Tensile Stress (Break)	37.0	MPa	ISO 527-2/50
Tensile Strain (Break)	20	%	ISO 527-2/50
Flexural Modulus ¹	2400	MPa	ISO 178
Flexural Stress ²	42.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	2.0	kJ/m ²	
23°C	4.0	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	19	kJ/m ²	
23°C	40	kJ/m ²	
Notched Izod Impact Strength			ISO 180/1A
-30°C	2.0	kJ/m ²	
23°C	4.0	kJ/m ²	
Unnotched Izod Impact Strength			ISO 180/1U
-30°C	17	kJ/m ²	
23°C	40	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method

Heat Deflection Temperature ³ (1.8 MPa, Unannealed, 60.0 mm Span)	72.0	°C	ISO 75-2/A
Vicat Softening Temperature	103	°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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