

SAXALEN™ PPH329B20

Polypropylene Homopolymer

SAX Polymers

Message:

SAXALEN PPH329B20 is a 20% glass beads filled Polypropylene - Homopolymer intended for injection moulding. Low shrinkage, low warpage grade

General Information			
Filler / Reinforcement	Glass Bead,20% Filler by Weight		
Features	Low Shrinkage		
	Low Warpage		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.03	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	10.0	cm ³ /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1600	MPa	ISO 527-2/1
Tensile Stress (Break)	25.0	MPa	ISO 527-2/50
Tensile Strain (Break)	100	%	ISO 527-2/50
Flexural Modulus ¹	1600	MPa	ISO 178
Flexural Stress ²	40.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	1.0	kJ/m ²	
23°C	2.0	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	20	kJ/m ²	
23°C	35	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	13	kJ/m ²	
23°C	27	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ³ (1.8 MPa, Unannealed, 60.0 mm Span)	65.0	°C	ISO 75-2/A
Vicat Softening Temperature	100	°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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