SAXALEN™ PPH325GK20

Polypropylene Homopolymer

SAX Polymers

Message:

SAXALEN PPH325GK20 is a 20% glass-fiber and glass-beads filled Polypropylene - Homopolymer intended for injection molding. This type has a increased stiffness and a optimized warpage grade.

General Information			
Filler / Reinforcement	Glass Bead\Glass Fiber,20% Filler by Weight		
Features	Good Stiffness Low Warpage		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.02	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	15.0	cm³/10min	ISO 1133
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	3000	MPa	ISO 527-2/1
Tensile Stress (Break)	46.0	MPa	ISO 527-2/5
Tensile Strain (Break)	4.0	%	ISO 527-2/5
Flexural Modulus [1]	2700	MPa	ISO 178
Flexural Stress [2]	79.0	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	4.0	kJ/m²	
23°C	5.0	kJ/m²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	20	kJ/m²	
23°C	36	kJ/m²	
Notched Izod Impact Strength			ISO 180/1A
-30°C	5.0	kJ/m²	
23°C	6.0	kJ/m²	
Unnotched Izod Impact Strength			ISO 180/1U
-30°C	15	kJ/m²	
23°C	29	kJ/m²	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature [3] (1.8 MPa, Unannealed, 60.0 mm Span)	128	°C	ISO 75-2/A
Vicat Softening Temperature	125	°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	

Recommended distributors for this material

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