

SAXALEN™ PPH121GK30

Polypropylene Homopolymer

SAX Polymers

Message:

SAXALEN PPH121GK30 is a 30% glass-fiber and glass-beads filled Polypropylene - Homopolymer intended for injection molding. This type has a higher stiffness and a optimized warpage grade.

General Information			
Filler / Reinforcement	Glass Bead\Glass Fiber,30% Filler by Weight		
Features	High Stiffness		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.10	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	17.0	cm ³ /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3200	MPa	ISO 527-2/1
Tensile Stress (Break)	52.0	MPa	ISO 527-2/5
Tensile Strain (Break)	4.0	%	ISO 527-2/5
Flexural Modulus ¹	2900	MPa	ISO 178
Flexural Stress ²	71.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	4.0	kJ/m ²	
23°C	5.0	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	17	kJ/m ²	
23°C	28	kJ/m ²	
Notched Izod Impact Strength			ISO 180/1A
-30°C	5.0	kJ/m ²	
23°C	6.0	kJ/m ²	
Unnotched Izod Impact Strength			ISO 180/1U
-30°C	18	kJ/m ²	
23°C	28	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ³ (1.8 MPa, Unannealed, 60.0 mm Span)	123	°C	ISO 75-2/A
Vicat Softening Temperature	123	°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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