

SAXALEN™ PPH327G28

Polypropylene Homopolymer

SAX Polymers

Message:

SAXALEN PPH327G28 is a 28% glass filled Polypropylene - Homopolymer injection moulding grade with increased stiffness.

General Information			
Filler / Reinforcement	Glass Fiber,28% Filler by Weight		
Features	High Stiffness		
	Homopolymer		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.06	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	6000	MPa	ISO 527-2/1
Tensile Stress (Yield)	84.0	MPa	ISO 527-2/5
Tensile Strain (Break)	3.0	%	ISO 527-2/5
Flexural Modulus ¹	4600	MPa	ISO 178
Flexural Stress ²	118	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	8.0	kJ/m ²	
23°C	11	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	45	kJ/m ²	
23°C	55	kJ/m ²	
Notched Izod Impact Strength			ISO 180/1A
-30°C	8.0	kJ/m ²	
23°C	9.0	kJ/m ²	
Unnotched Izod Impact Strength			
-30°C	41	kJ/m ²	ISO 180
23°C	44	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ³ (1.8 MPa, Unannealed, 60.0 mm Span)	140	°C	ISO 75-2/A
Vicat Softening Temperature	135	°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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