

SAXALEN™ PPH304G25

Polypropylene Homopolymer

SAX Polymers

Message:

SAXALEN PPH304G25 is a 25% glass filled Polypropylene - Homopolymer intended for injection molding. This compound is characterized by high stiffness good impact resistance und reduced creep under load.

General Information			
Filler / Reinforcement	Glass Fiber,25% Filler by Weight		
Features	Good Creep Resistance		
	Good Impact Resistance		
	High Stiffness		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.04	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	14.0	cm³/10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	5300	MPa	ISO 527-2/1
Tensile Stress (Break)	78.0	MPa	ISO 527-2/5
Tensile Strain (Break)	3.0	%	ISO 527-2/5
Flexural Modulus ¹	4400	MPa	ISO 178
Flexural Stress ²	100	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	7.0	kJ/m²	
23°C	9.0	kJ/m²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	40	kJ/m²	
23°C	48	kJ/m²	
Notched Izod Impact Strength			ISO 180/1A
-30°C	7.0	kJ/m²	
23°C	8.0	kJ/m²	
Unnotched Izod Impact Strength			ISO 180/1U
-30°C	40	kJ/m²	
23°C	43	kJ/m²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ³ (1.8 MPa, Unannealed, 60.0 mm Span)	137	°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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