

SAXALEN™ PPH303G20

Polypropylene Homopolymer

SAX Polymers

Message:

SAXALEN PPH303G20 is a 20% glass filled Polypropylene - Homopolymer injection moulding grade with good stiffness.

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Features	Good Stiffness		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.01	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	11.0	cm ³ /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4400	MPa	ISO 527-2/1
Tensile Stress (Break)	59.0	MPa	ISO 527-2/5
Tensile Strain (Break)	3.0	%	ISO 527-2/5
Flexural Modulus ¹	3900	MPa	ISO 178
Flexural Stress ²	94.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	6.0	kJ/m ²	
23°C	7.0	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	33	kJ/m ²	
23°C	42	kJ/m ²	
Notched Izod Impact Strength			ISO 180/1A
-30°C	6.0	kJ/m ²	
23°C	8.0	kJ/m ²	
Unnotched Izod Impact Strength			ISO 180/1U
-30°C	30	kJ/m ²	
23°C	34	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ³ (1.8 MPa, Unannealed, 60.0 mm Span)	136	°C	ISO 75-2/A
Vicat Softening Temperature	130	°C	ISO 306/B120
Injection	Nominal Value	Unit	
Processing (Melt) Temp	220 to 250	°C	
Mold Temperature	40.0 to 70.0	°C	

NOTE

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| 1. | 2.0 mm/min |
| 2. | 2.0 mm/min |
| 3. | 80*10*4mm |

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