

Sindustris PP HM2301

Polypropylene

Sincerity Australia Pty Ltd.

Message:

Sindustris PP HM2301 is a Polypropylene material filled with 30% glass fiber. It is available in Asia Pacific for injection molding. Primary attribute of Sindustris PP HM2301: Good Weather Resistance.

Typical applications include:

Automotive

Electrical/Electronic Applications

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Features	Good Weather Resistance		
Uses	Automotive Applications		
	Electrical/Electronic Applications		
UL File Number	E306922		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.15	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	8.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	0.20 to 0.40	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, 3.20 mm)	85.8	MPa	ASTM D638
Tensile Elongation ² (Break, 3.20 mm)	7.0	%	ASTM D638
Flexural Modulus ³ (6.40 mm)	5490	MPa	ASTM D790
Flexural Strength ⁴ (6.40 mm)	118	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 6.40 mm)	780	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm)	157	°C	ASTM D648
Injection	Nominal Value	Unit	
Drying Temperature	70.0 to 80.0	°C	
Drying Time	3.0 to 4.0	hr	
Suggested Max Moisture	0.010	%	
Rear Temperature	190 to 210	°C	
Middle Temperature	200 to 230	°C	
Front Temperature	200 to 230	°C	
Nozzle Temperature	210 to 230	°C	
Processing (Melt) Temp	200 to 230	°C	

Mold Temperature	40.0 to 60.0	°C
Back Pressure	29.4 to 58.8	MPa
Screw Speed	30 to 60	rpm

NOTE		
1.	50 mm/min	
2.	50 mm/min	
3.	30 mm/min	
4.	30 mm/min	

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Recommended distributors for this material


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