Sindustris PP HR2101D

Polypropylene

Sincerity Australia Pty Ltd.

Message:

Sindustris PP HR2101D is a Polypropylene material filled with 17% glass fiber. It is available in Asia Pacific for injection molding.
Typical applications include:
Automotive
Electrical/Electronic Applications

General Information			
Filler / Reinforcement	Glass Fiber,17% Filler by Weight		
Features	General Purpose		
Uses	Automotive Applications Electrical/Electronic Applications General Purpose		
UL File Number	E306922		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.01	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	0.40 to 0.60	%	ASTM D955
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength [1] (Yield, 3.20 mm)	52.0	MPa	ASTM D638
Tensile Elongation [2] (Break, 3.20 mm)	9.0	%	ASTM D638
Flexural Modulus [3] (6.40 mm)	2750	MPa	ASTM D790
Flexural Strength [4] (6.40 mm)	70.6	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (23°C, 6.40 mm)	69	J/m	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm)	147	°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

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China