Sindustris PP GP3103Y

Polypropylene

Sincerity Australia Pty Ltd.

Message:

Sindustris PP GP3103Y is a Polypropylene material filled with 10% mineral. It is available in Asia Pacific for injection molding.
Important attributes of Sindustris PP GP3103Y are:
High Flow
Impact Resistant
Typical applications include:
Automotive
Electrical/Electronic Applications

General Information			
Filler / Reinforcement	Mineral,10% Filler by Weight		
Features	General Purpose High Flow High Impact Resistance		
Uses	Automotive Applications Electrical/Electronic Applications		
UL File Number	E306922		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.00	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	13	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	0.90 to 1.4	%	ASTM D955
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength [1] (Yield, 3.20 mm)	26.5	MPa	ASTM D638
Tensile Elongation [2] (Break, 3.20 mm)	60	%	ASTM D638
Flexural Modulus [3] (6.40 mm)	1570	MPa	ASTM D790
Flexural Strength [4] (6.40 mm)	35.3	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (23°C, 6.40 mm)	88	J/m	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm)	130	°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.	5.0 mm/min
2.	5.0 mm/min
3.	1.3 mm/min
4.	1.3 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