

Sindustris PP GP1008FE

Polypropylene

Sincerity Australia Pty Ltd.

Message:

Sindustris PP GP1008FE is a Polypropylene material. It is available in Asia Pacific for injection molding.

Important attributes of Sindustris PP GP1008FE are:

Flame Rated

Flame Retardant

Typical applications include:

Automotive

Electrical/Electronic Applications

General Information			
Additive	Flame Retardant		
Features	Flame Retardant		
	General Purpose		
Uses	Automotive Applications		
	Electrical/Electronic Applications		
UL File Number	E306922		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.930	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.5	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	1.6 to 1.8	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, 3.20 mm)	25.5	MPa	ASTM D638
Tensile Elongation ² (Break, 3.20 mm)	> 200	%	ASTM D638
Flexural Modulus ³ (6.40 mm)	981	MPa	ASTM D790
Flexural Strength ⁴ (6.40 mm)	29.4	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 6.40 mm)	> 490	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm)	110	°C	ASTM D648
Flammability	Nominal Value	Test Method	
Flame Rating (0.750 mm)	V-2	UL 94	
Injection	Nominal Value	Unit	
Drying Temperature	70.0 to 90.0	°C	
Drying Time	3.0 to 5.0	hr	
Suggested Max Moisture	0.020	%	

Rear Temperature	190 to 210	°C
Middle Temperature	200 to 230	°C
Front Temperature	220 to 240	°C
Nozzle Temperature	220 to 240	°C
Processing (Melt) Temp	230 to 245	°C
Back Pressure	21.6 to 23.5	MPa

NOTE

- | | |
|----|-----------|
| 1. | 50 mm/min |
| 2. | 50 mm/min |
| 3. | 10 mm/min |
| 4. | 10 mm/min |

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