

Sindustris PBT SG5301

Polybutylene Terephthalate + PET

Sincerity Australia Pty Ltd.

Message:

Sindustris PBT SG5301 is a Polybutylene Terephthalate + PET (PBT+PET) material filled with 30% glass fiber. It is available in Asia Pacific for injection molding.

Important attributes of Sindustris PBT SG5301 are:

Flame Rated

Good Aesthetics

Typical applications include:

Electrical/Electronic Applications

Automotive

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Features	Good Surface Finish		
Uses	Automotive Applications		
	Electrical/Electronic Applications		
	Switches		
UL File Number	E306922		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.54	g/cm³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.40 to 1.0	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Break, 3.20 mm)	118	MPa	ASTM D638
Tensile Elongation ² (Break, 3.20 mm)	3.0	%	ASTM D638
Flexural Modulus ³ (3.20 mm)	7850	MPa	ASTM D790
Flexural Strength ⁴ (3.20 mm)	177	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm)	69	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 6.40 mm	195	°C	
1.8 MPa, Unannealed, 6.40 mm	215	°C	
Peak Melting Temperature	225	°C	ASTM D3418
RTI Elec	75.0	°C	UL 746
RTI Imp	75.0	°C	UL 746
RTI Str	75.0	°C	UL 746
Flammability	Nominal Value	Test Method	
Flame Rating (1.50 mm)	HB	UL 94	

NOTE	
1.	5.0 mm/min
2.	5.0 mm/min
3.	1.3 mm/min
4.	1.3 mm/min

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