

Sindustris PBT LW5103F

Polycarbonate + PBT
Sincerity Australia Pty Ltd.

Message:

Sindustris PBT LW5103F is a Polycarbonate + PBT (PC+PBT) material filled with 10% glass fiber. It is available in Asia Pacific for injection molding. Important attributes of Sindustris PBT LW5103F are:
Flame Rated
Flame Retardant
Warp Resistant
Typical applications include:
Electrical/Electronic Applications
Automotive

General Information			
Filler / Reinforcement	Glass Fiber,10% Filler by Weight		
Additive	Flame Retardant		
Features	Flame Retardant		
	Low Warpage		
Uses	Automotive Applications		
	Electrical/Electronic Applications		
	Switches		
UL File Number	E306922		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.40	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.40 to 0.70	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Break, 3.20 mm)	53.9	MPa	ASTM D638
Tensile Elongation ² (Break, 3.20 mm)	4.0	%	ASTM D638
Flexural Modulus ³ (3.20 mm)	3240	MPa	ASTM D790
Flexural Strength ⁴ (3.20 mm)	90.2	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm)	44	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 6.40 mm	140	°C	ASTM D3418
1.8 MPa, Unannealed, 6.40 mm	190	°C	
Peak Melting Temperature	225	°C	
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 (1.00 mm)	V-0		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	120	°C	
Drying Time	4.0 to 5.0	hr	
Suggested Max Moisture	0.020	%	
Rear Temperature	235 to 250	°C	
Middle Temperature	240 to 250	°C	
Front Temperature	245 to 255	°C	
Nozzle Temperature	245 to 255	°C	
Processing (Melt) Temp	245 to 255	°C	
Mold Temperature	60.0 to 100	°C	
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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