

Sindustris PBT LW5304

Polycarbonate + PBT
Sincerity Australia Pty Ltd.

Message:

Sindustris PBT LW5304 is a Polycarbonate + PBT (PC+PBT) material filled with 30% glass fiber. It is available in Asia Pacific for injection molding.
Important attributes of Sindustris PBT LW5304 are:
Flame Rated
Warp Resistant
Typical applications include:
Automotive
Handles

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Features	Low Warpage		
Uses	Automotive Applications		
	Flexible Grips		
UL File Number	E306922		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.51	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.30 to 0.90	%	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)	5.0	%	ASTM D638
Flexural Modulus ³ (3.20 mm)	7350	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)	88	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 6.40 mm	190	°C	
1.8 MPa, Unannealed, 6.40 mm	200	°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 (0.720 mm)	HB		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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