

Sindustris PBT LW5301M

Polycarbonate + PBT
Sincerity Australia Pty Ltd.

Message:

Sindustris PBT LW5301M is a Polycarbonate + PBT (PC+PBT) material filled with 30% mineral. It is available in Asia Pacific for injection molding. Primary attribute of Sindustris PBT LW5301M: Warp Resistant.
Typical applications include:
Automotive
Handles

General Information			
Filler / Reinforcement	Mineral,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	1.52	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.60 to 0.80	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Break, 3.20 mm)	57.9	MPa	ASTM D638
Tensile Elongation ² (Break, 3.20 mm)	3.0	%	ASTM D638
Flexural Modulus ³ (3.20 mm)	5100	MPa	ASTM D790
Flexural Strength ⁴ (3.20 mm)	97.1	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm)	39	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 6.40 mm	120	°C	
1.8 MPa, Unannealed, 6.40 mm	170	°C	
Peak Melting Temperature	225	°C	ASTM D3418
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	

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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

