

Sindustris PBT LW5403A

Polycarbonate + PBT

Sincerity Australia Pty Ltd.

Message:

Sindustris PBT LW5403A is a Polycarbonate + PBT (PC+PBT) material filled with 40% glass fiber. It is available in Asia Pacific for injection molding.

Important attributes of Sindustris PBT LW5403A are:

High Gloss

Warp Resistant

Typical applications include:

Electrical/Electronic Applications

Automotive

General Information			
Filler / Reinforcement	Glass Fiber,40% Filler by Weight		
Features	High Gloss		
	Low Warpage		
Uses	Automotive Applications		
	Bobbins		
	Electrical/Electronic Applications		
	Switches		
UL File Number	E306922		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.60	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.30 to 0.60	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Break, 3.20 mm)	96.1	MPa	ASTM D638
Tensile Elongation ² (Break, 3.20 mm)	6.0	%	ASTM D638
Flexural Modulus ³ (3.20 mm)	7850	MPa	ASTM D790
Flexural Strength ⁴ (3.20 mm)	152	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm)	74	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	210	°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	

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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



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