

LTP ZW-3650

Polyphenylene Sulfide Alloy
Chengdu Letian Plastics Co., Ltd

Message:

Resin of LTP ZW-3600 serials is crystal whisker reinforced composite materials based on high molecular weight linear PPS and PEEK alloy. With the characteristics of excellent high strength, rigidity, wear-resisting, heat-resisting, chemical-resisting and outstanding mold technology, the materials can meet the needs of product to replace copper alloy and hard alloy for varied fields.

General Information			
Features	Good Chemical Resistance		
	Good Moldability		
	Good Wear Resistance		
	High Heat Resistance		
	High Stiffness		
	High Strength		
Uses	Metal Replacement		
Appearance	Colors Available		
Physical	Nominal Value	Unit	Test Method
Density	1.65	g/cm ³	GB/T 1033
Melt Mass-Flow Rate (MFR)	15 to 30	g/10 min	GB/T 3682
Molding Shrinkage ¹			
Across Flow : 3.00 mm	< 0.20	%	
Flow : 3.00 mm	< 0.10	%	
Water Absorption (Saturation, 23°C)	0.20 to 0.30	%	GB/T 1034
PV Limit	2300		
Abrasion ²	1	μm	
Heat Deflection Temperature	> 265	°C	GB/T 1634
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (A-Scale)	80		GB/T 9342
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	125	MPa	GB/T 1040
Tensile Strain (Break)	0.60	%	GB/T 1040
Flexural Stress	180	MPa	GB/T 1042
Compressive Stress	290	MPa	GB/T 1041
Coefficient of Friction (Dynamic)	0.020		GB/T 3960
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	6.0	kJ/m ²	GB/T 1043
Thermal	Nominal Value	Unit	Test Method
CLTE			GB/T 2572
Flow	-2.0E-5	cm/cm/°C	

Transverse	-3.5E-5	cm/cm/°C
Flammability	Nominal Value	Test Method
Flame Rating	V-0	UL 94
NOTE		
1.	80x80x3 mm	
2.	10MPa/24hr	

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



WECHAT