

LTP ZW-3600

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	1600		
Abrasion ²	1	μm	
Heat Deflection Temperature	> 265	°C	GB/T 1634
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (A-Scale)	65		GB/T 9342
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	80.0	MPa	GB/T 1040
Tensile Strain (Break)	0.30	%	GB/T 1040
Flexural Stress	150	MPa	GB/T 1042
Compressive Stress	235	MPa	GB/T 1041
Coefficient of Friction (Dynamic)	0.020		GB/T 3960
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	5.0	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	

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