

# LTP ZE-2180

Linear Polyphenylene Sulfide  
Chengdu Letian Plastics Co., Ltd

## Message:

Resin of LTPZE-2000 serials is reinforced composite for special materials of electric appliance based on high linear PPS. For their good electricity characteristics and thermal resistance, they are suitable to wave-soldering with many jointbar, mold in varied electronic component and supersonic bonding parts and integrated circuit package.

General Information			
Filler / Reinforcement	Filler		
Features	Good Electrical Properties		
	High Heat Resistance		
	Ultrasonic Weldable		
Uses	Appliances		
	Electrical/Electronic Applications		
Appearance	Colors Available		
Physical	Nominal Value	Unit	Test Method
Density	1.45 to 1.80	g/cm <sup>3</sup>	GB/T 1033
Molding Shrinkage <sup>1</sup>			
Across Flow : 3.00 mm	0.30 to 0.60	%	
Flow : 3.00 mm	0.20 to 0.40	%	
Water Absorption (Saturation, 23°C)	0.20 to 0.40	%	GB/T 1034
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	180	MPa	GB/T 1040
Tensile Strain (Break)	1.0	%	GB/T 1040
Flexural Stress	200	MPa	GB/T 1042
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	5.0E+15 to 3.0E+17	ohms	GB/T 1410
Volume Resistivity	3.0E+14 to 8.0E+16	ohms·cm	GB/T 1410
Electric Strength	20 to 35	kV/mm	GB/T 1408
Dielectric Constant			GB/T 1409
25°C, 1 kHz	2.20 to 3.00		
25°C, 1 MHz	2.20 to 3.00		
Dissipation Factor			GB/T 1409
25°C, 1 kHz	1.0E-3 to 3.0E-3		
25°C, 1 MHz	1.0E-3 to 3.0E-3		
Arc Resistance	110 to 180	sec	ASTM D495
Comparative Tracking Index (CTI)	120 to 250	V	UL 746
Flammability	Nominal Value	Unit	Test Method

Flame Rating	V-2	UL 94
NOTE		

1. 80x80x3 mm

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#### Recommended distributors for this material

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