

# LTP LTP8160

Polyphenylene Sulfide Alloy  
Chengdu Letian Plastics Co., Ltd

Message:

LTP 8100 series is reinforced composite materials with high performance based on polyolefin and PPS, and are extensively applied in injection mold to structure and parts of machine, electric appliance and automobiles. It is used to replace materials of PA PBT (PET), PPO (PPE), and PC/ABS serial. The LTP 8100 series materials have the characteristics of high impact strength, high dimensional stability and low moisture absorption.

General Information			
Filler / Reinforcement	Filler		
Features	Good Dimensional Stability		
	High Impact Resistance		
	Low Moisture Absorption		
Uses	Appliances		
	Automotive Applications		
	Electrical/Electronic Applications		
	Machine/Mechanical Parts		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.32	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage <sup>1</sup>			
Across Flow : 3.00 mm	0.80	%	
Flow : 3.00 mm	0.50	%	
Water Absorption (Saturation)	0.30	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	60.0	MPa	GB/T 1040
Tensile Strain (Break)	12	%	GB/T 1040
Flexural Stress	100	MPa	GB/T 1042
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	15	kJ/m <sup>2</sup>	GB/T 1043
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature	> 165	°C	GB/T 1634
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	2.0E+15	ohms	GB/T 1410
Volume Resistivity	5.0E+14	ohms·cm	GB/T 1410
Dielectric Strength	17	kV/mm	ASTM D149
Dielectric Constant			GB/T 1409
25°C, 1 kHz	3.20		
25°C, 1 MHz	3.20		

Dissipation Factor		GB/T 1409	
25°C, 1 kHz	3.0E-3		
25°C, 1 MHz	3.0E-3		
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
NOTE			
1.	80x80x3 mm		

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