

# DynaPath™ 1462X

Polybutylene Terephthalate

Polymer Dynamix

Message:

- Conductive PBT
- Features:
  - Conductive
  - Good Dimensional Stability
  - Excellent Processability
- Applications:
  - Aerospace
  - Industrial
  - Electrical/Electronic Applications

General Information			
Features	Conductive		
	Good Dimensional Stability		
	Good Processability		
Uses	Aerospace Applications		
	Electrical/Electronic Applications		
	Industrial Applications		
Processing Method		Injection Molding	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	118	MPa	ASTM D638
Tensile Elongation (Break)	5.0	%	ASTM D638
Flexural Modulus	7930	MPa	ASTM D790
Flexural Strength	186	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	37	J/m	ASTM D256
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	< 1.0E+5	ohms	ASTM D257
Volume Resistivity	< 1.0E+5	ohms · cm	ASTM D257
Injection	Nominal Value	Unit	
Drying Temperature	104 to 121	°C	
Drying Time	3.0 to 4.0	hr	
Rear Temperature	235 to 252	°C	
Middle Temperature	241 to 260	°C	
Front Temperature	249 to 266	°C	
Nozzle Temperature	252 to 266	°C	
Processing (Melt) Temp	252 to 266	°C	
Mold Temperature	37.8 to 82.2	°C	

Injection Pressure	68.9 to 138	MPa
Injection Rate	Moderate	
Back Pressure	0.345 to 0.689	MPa
Screw Speed	40 to 70	rpm
Clamp Tonnage	5.5 to 8.3	kN/cm <sup>2</sup>

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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

