MadeSolid PET+

Polyethylene Terephthalate

MadeSolid, Inc.

Message:

PET+ Filament
Engineering Grade
High quality filament that balances superior mechanical properties and ease of use
Flexible Strength
More flexible strength than ABS or PLA. Excellent for Wearables and Prototypes
Universal Compatibility
1.75mm and 3mm sizes, PET+ is suitable for most FFF Printers.
Features:
Strong and Flexible
100% Recyclable
Easy Adhesion
Hydrophobic

General Information		
Features	Good Adhesion Good Flexibility Good Strength Hydrophobic Recyclable Material	
Uses	Prototyping	
Appearance	Black Green Red White	
Processing Method	3D Printing, Fused Filament Fabrication (FFF)	
Physical	**Nominal Value**	**Unit**
Water Absorption (Equilibrium)	> 0.015	%
Hardness	**Nominal Value**	**Unit**
Rockwell Hardness (R-Scale)	102 to 112	
Mechanical	**Nominal Value**	**Unit**
Tensile Strength		
Yield	45.8	MPa
Break	18.1	MPa
Tensile Elongation (Break)	18	%
Flexural Modulus	1840	MPa
Flexural Strength	68.1	MPa
Impact	**Nominal Value**	**Unit**
Unnotched Izod Impact	37	J/m

Impact Resistance - Energy	89 to 111	N	
Thermal	**Nominal Value**	**Unit**	
Deflection Temperature Under Load			
0.45 MPa, Unannealed	71.8	°C	
1.8 MPa, Unannealed	65.0	°C	
Glass Transition Temperature	82.0	°C	
Vicat Softening Temperature	84.0	°C	
Electrical	**Nominal Value**	**Unit**	**Test Method**
Surface Resistivity	1.0E+16	ohms	
Volume Resistivity	1.0E+15	ohms·cm	
Dielectric Strength	14 to 18	kV/mm	
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating			UL 94
> 1.60 mm	HB		
> 3.20 mm	V-2		

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