



PUSH PLASTIC

Technical Data Sheet

Push Plastic CF PC+PBT

Carbon Fiber + Polyethylene Terephthalate Glycol Comonomer

Mechanical Properties	Test Method and Units	Value
Tensile Strength at Yield	ASTM D638 (PSI)	15,000
Tensile Elongation at Break	ASTM D638 (%)	3.00%
Tensile Modulus	ASTM D638 (psi)	985000
Flexural Strength	ASTM D790 (PSI)	23,000
Flexural Modulus	ASTM D790 (PSI)	950,000
Izod Impact Strength @73F	ASTM D256 Notched 1/8" ft-lb/in	2.5
Physical Properties		
Specific Gravity	ASTM D792	1.18
Electrical Properties		
Surface Resistivity	ASTM D275 ohm/sq	>10 ⁹

Notes:

- * The values presented are laboratory averages and may vary within a moderate range for 3D printed specimens
- *This data is not intended to substitute for any testing you may need to determine the suitability of this material
- *All mechanical tests conducted at 73°F on dry-as-molded specimens unless otherwise noted.