



## TECHNICAL DATA SHEET - PETG Carbon Fiber

Raw Material Name: Polyethylene terephthalate glycol (PETG)

Application: Rotary Components

Manufacturer: PDXTech

### Material Specifications

Mechanical Property	Value	Unit	Test Method
Ultimate Tensile Strength	56	MPa	ISO 527-2
Tensile Modulus	5230	GPa	ISO 527-2
Strain at Break	3	%	ISO 527-2
Flexural Strength	80	MPa	ISO 178
Flexural Modulus	5740	MPa	ISO 178
Surface Resistance	>10 <sup>9</sup>	ohm/sq	ASTM D257
Specific Gravity	1.34	g/cm <sup>3</sup>	ISO 1183
Glass Transition Temperature	77	°C	DSC
HDT A @ .45 MPa	80	°C	ISO 75

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