



GL ROBOTICS

YOUR GATEWAY TO NEW TECHNOLOGY

Technical Data Sheet Carbon Fiber ABS

Specially formulated ABS resin with added milled carbon fiber for 3D printing

Mechanical Properties	Test Method and Units	Value
Tensile Strength at Yield (23°C)	ASTM D638 MPa	77
Tensile Elongation at Break	ASTM D638 %	1.25%
Tensile Modulus	ASTM D638 Mpa	7580
Flexural Strength	ASTM D790 Mpa	105.25
Flexural Modulus	ASTM D790 Mpa	6205
Izod Impact Strength @ 73F	ASTM D256 Notched 1/8" ft-lb/in	1.21
Electrical Properties		
Surface Resistivity	ASTM D257 Ohms	10 E4

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 for your uses