

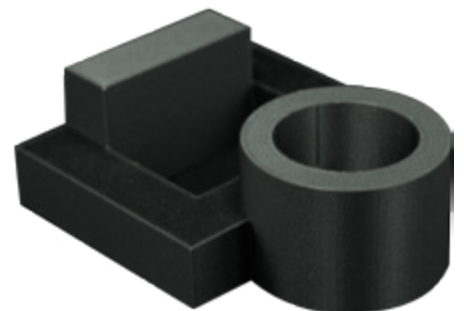
Rizium™ Carbon

3D Printing Filament

Beta

Rizium™ Carbon

RIZIUM™ CARBON is an engineering-grade thermoplastic filament reinforced with carbon fiber for a superior visual finish and higher modulus. RIZIUM CARBON is ideal for applications such as functional prototyping for manufacturing.





Flexural Strength

max strain, 23°C

XY	59 MPa
XZ	78 MPa
ZX	35 MPa

XY	8.5K psi
XZ	11.3K psi
ZX	5.0K psi

Flexural Modulus

2113 MPa
3544 MPa
1309 MPa

306K psi
514K psi
189K psi



Volume Resistivity, Ω -cm	TBD
Dielectric Constant	TBD
Dielectric Breakdown, KV/mm	TBD



Glass Transition, C	78°
Heat Deflection (HDT), C	73°
Flame Classification	TBD



Specific Gravity	1.02 grams/cm ³
Moisture Absorption	TBD



VOC Emissions	None
Venting Requirements	None
Residual Metals Content	< .02 ppm



Packaging	50 in ³ (820g) spool, individual carton
Shelf Life	One year
Storage Requirements	Store in carton until ready for use

Specifications are subject to change without notice. Data presented are actual measured values and not guaranteed specifications. They do not guarantee performance level under actual usage. Actual user results can vary based on part design, application, user, operating and testing conditions and more. Users are responsible for determining that Rize™ materials are lawful and technically suitable for their applications and for disposal or recycling methods according to applicable environmental laws and regulations. Rize Inc. makes no warranties of any kind, express or implied, including, but not limited to, the warranties of merchantability, fitness for a particular use or warranty against patent infringement.