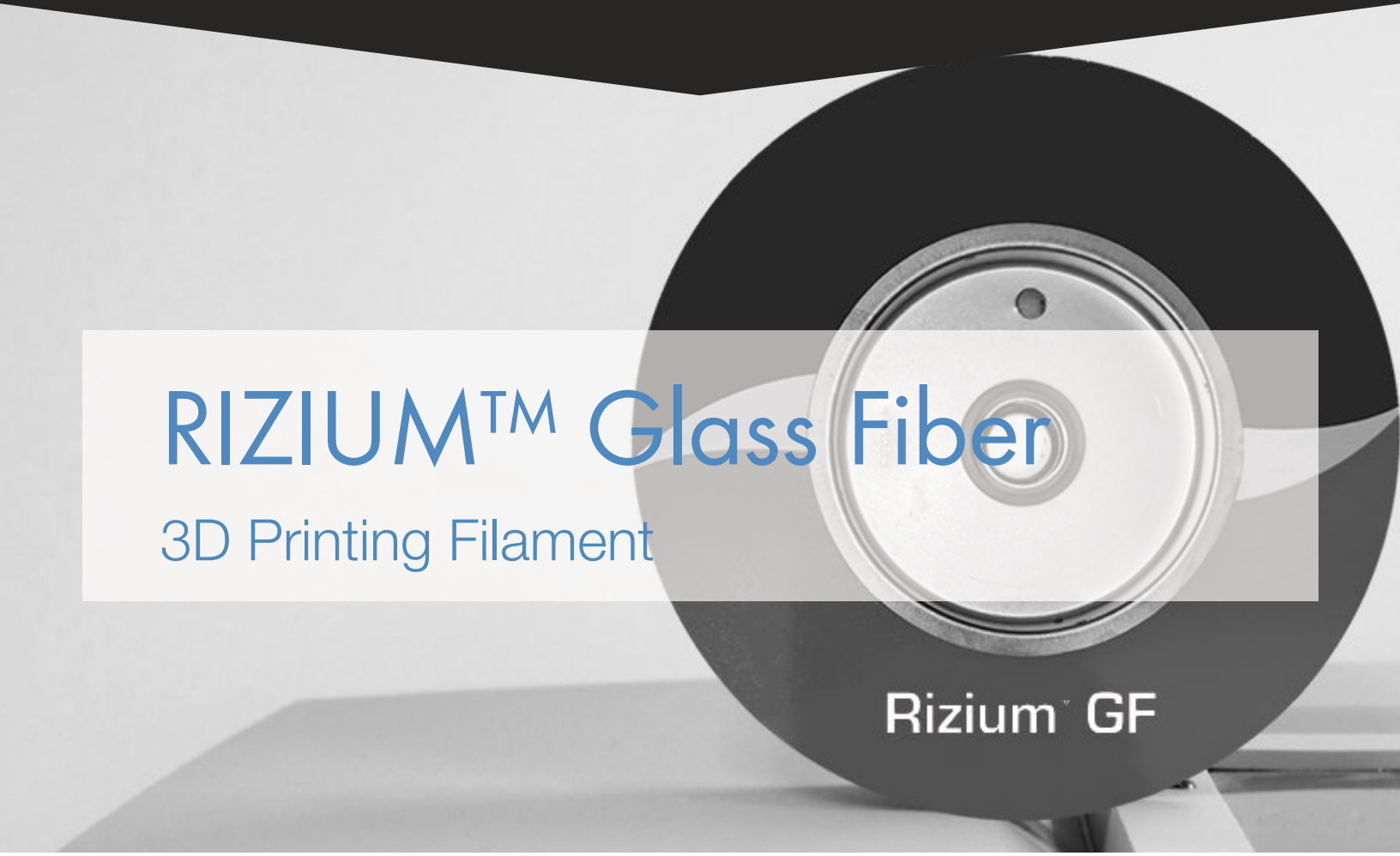
PALITRA

INDUSTRIAL 3D PRINTING MADE EASY



RIZIUM™ Glass Fiber

3D Printing Filament

RIZIUM™ GF is an engineering-grade thermoplastic filament reinforced with glass fiber for a stunning visual finish, high stiffness, durability and full-color capabilities. RIZIUM™ GF is ideal for applications such as functional full color prototyping, intelligent parts in manufacturing (i.e. jigs & fixtures), larger parts that typically warp with other materials, and more.

Flexural Strength	87 MPa	12.7 Kpsi (max strain 23°C)	ISO 178, method A
Flexural Modulus	2.9 GPa	416 Kpsi	ISO 178, method A
Tensile Strength	57 MPa	8.2 Kpsi	ASTM D638
Tensile Elongation	1.9%	1.9%	ASTM D638
Tensile Modulus	3.6 GPa	524 Kpsi	ASTM D638
IZOD Impact, unnotched	230 J/m	4.3 ft-lb/in	ASTM D256
IZOD Impact, notched	83 J/m	1.6 ft-lb/in	ASTM D256

*Tests performed with parts printed on RIZE™ ONE printer using solid infill.

Glass Transition, C	75°
Heat Deflection (HDT), C	75°
Flame Classification	UL94-HB

Specific Gravity	1.06 g/cm^3
Moisture Absorption	< .01%

Chemically resistant to acids, alcohols, and ketones.

Venting Requirements None

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