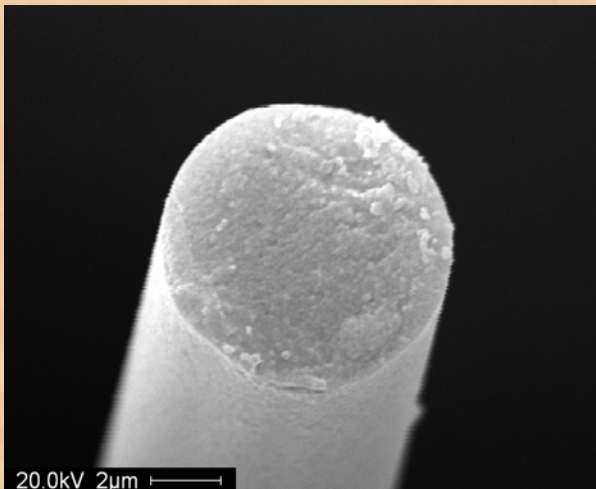


MATECH

Introducing

HfC-2000X Structural Ceramic Fiber

This exploratory development UHT metal carbide fiber has been fired at 2000°C and exhibits minimum grain growth. Hafnium carbide (HfC) is the highest known melting compound with potential applications to rocket nozzles and hypersonic leading edges.



Dense, Nanocrystalline Fiber
Continuous Tow
Up to Multi-Hundred Filaments

Diameter 5.0 µm

Tensile Strength 1.7 GPa

Young's Modulus 500 GPa

Density 7.0 gm/cc



MATECH
31304 Via Colinas, Suite 102
Westlake Village, CA 91362
phone: 818.991.8500 fax: 818.991.4134
e-mail: ed@matechgsm.com
www.matechgsm.com