

ENGINEERING

COMPOSITES

Mentis has over 40 years of experience engineering composite solutions for applications in the Automotive, Defense, Aerospace, Energy/Oil and Gas, and Medical industries, for DoD, DoT, DoE and commercial customers.

MATERIAL TYPES

Mentis has experience with the following material types:

FIBERS

Graphite/Carbon Fiber
High Purity Quartz
Ceramic Fiber (Nextel)
Aramid Fiber (Kevlar, Aracon)
Thermoplastic Fiber (Dyneema, Sppectra)
Organic Fibers (Cotton, Hemp)

RESIN SYSTEMS

Epoxy
Poly-Siloxanes
Phenolics
Bismaleimides
Cyanate-Ester
Thermoplastics

COMPOSITE SOLUTIONS

Mentis has developed composite solutions to meet structural, electrical, and multi-functional requirements for the following applications:

- High-Temperature Missile Nosecones/Radomes
- High-Temperature Thermal Protection Systems
- Torpedo and Rocket Launch Tubes
- Prosthetic and Orthotic Devices
- High-pressure/Light-weight Cannon
- Tire Reinforcements

