



Aquacore™ Premium

Specially formulated for precision machinability, Aquacore™ Premium is ideal for manufacturing mandrels from blank billets. Aquacore™ Premium retains all of the benefits of Aquacore™, with added strength and decreased porosity to ensure tight tolerances and smooth lines during machining. No special machining equipment is required.

Aquacore™ Premium saves time and labor, and the wash-away feature minimizes the possibility of damaging fine details.



Aquacore™ Premium Benefits:

- ✓ Washes away in cold tap water
- ✓ Environmentally friendly; no special disposal procedures required
- ✓ Remove mandrel from previously inaccessible hidden areas
- ✓ Low porosity
- ✓ High compressive strength
- ✓ Specially formulated for machining
- ✓ Compatible with all commercial resins and pre-preg compounds
- ✓ Easily repaired
- ✓ Saves time, labor and money



*Quick
Machine
Setup*



*Easy
Machinability*



*Holds
Tight
Tolerances*

Aquacore™ Premium Specifications:

Compressive Strength: 974 ± 88 psi at 70°F/21°C

Density Dry: 33.2 lbs. / cu. ft. at 250 psi compaction

Coefficient of Thermal Expansion: 3.1 x 10⁻⁶ mm / mm°C

Aquaseal™ is recommended to seal the tool and prevent resin migration.
Call or fax Advanced Ceramics Manufacturing for assistance with your specific requirements.

