



Beta Cloth

AKA Beta Fabric

This historic material is supplied to the Space market by Bron Aerotech, LLC in Denver, Colorado. Bron Aerotech facilitated the successful re-qualification of Beta Cloth at Space OEMs when DuPont changed the Teflon® formulation to reduce and, later, eliminate PFOA.

The very tight weave mitigates the destructive effects of atomic oxygen (AO) in Low-Earth Orbit (LEO). Beta Cloth contains no silicone, operates exceptionally well in the harsh space environment, and is employed in Manned & Unmanned Spacecraft, Satellite, Launch Vehicle, Rovers, Space Habitats, In-Space Structures and Space Station interior and exterior surface protection applications. Beta Cloth is an active candidate material for many Lunar Infrastructure applications.

Beta Cloth FEATURES:

- Non-Silicone
- High Strength
- Chemically Inert
- Low Electrical loss
- 30 Year+ Space Heritage
- High Temperature Resistance
- Heat Dissipative - White Color
- Non-Flammable / Fire Resistant
- Excellent Atomic Oxygen (AO) Resistance in **LEO** and on **Mars**
- Exceptional flex fatigue resistance compared to standard coated fabrics
- High Resistance to Thermocycling, Plasma and Solar & Vacuum UV Radiation

Beta Cloth APPLICATIONS:

- Light Blocking
- MMOD Shielding
- Space Cargo Containers & Packaging
- Spacecraft MLI (Multi-Layer Insulation)
- Extendable & Static Boom Surface Protection
- Lunar Infrastructure Surface Protection



BRON AEROTECH[™]
aerospace materials to spec



Aluminized Beta Cloth



**ESD Beta Cloth
BA 500BCGW / CF500 GW**

PTFE coated fiberglass static dissipative Beta Cloth with Graphite Weave



**Beta Cloth
BA 500BC / CF500 F**
Unetched Beta Cloth

Not shown:

BA 500BCE Beta Cloth Etched one side for bonding and laminating

Beta Cloth Tape Slit Beta Cloth rolls for harness / overwrapping (Custom Width)

Beta Cloth laminated to Low-Outgassing PSA

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