

## Advanced Composites Pultruded for Geodetic Beam



A 25 foot long geodetic cone and cylinder pultruded from rod stock utilizing select properties of graphite, glass, and polysulfone prepreg tape has been successfully tested by NASA's Johnson Space Center. The composite structure is designed to carry 3,000 pounds of axial compression, while weighing only 23 pounds including the end fittings. The beam is thermally inert and can be easily lifted by one person. The stock was pultruded by Glasforms, Inc., under supervision of the Design and Technology Engineering Division of McDonnell Douglas Corporation.

**Materials:** Graphite, S-Glass, and Polysulfone

**Properties:** Thermally inert, 3,000 pounds axial compressive strength

**Size:** .092" Diameter

**Weight:** .005 lbs./lineal foot

*For additional information write or call:*

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