

# Product Bulletin

## Style S2-Glass Chopped Fibers

**Description:** S2-Glass Chopped fibers are designed for reinforcement applications. With a tensile modulus of up to 90 GPa, S2-Glass represents the highest value in the Glass fiber family. This allows for larger panels at the same weight or reduced weight at same panel dimensions.

50% higher tensile strength than E-Glass yarns allow for higher loadings.

10 x higher fatigue properties increase reliability of the end product.

### Physical Properties:

Filament Diameter (mcm)	9
Density (y.p.p.)	250
Seizing	463, Epoxy Polyester, prepreg Compatible
Length (inch)	1/4", 1/2", 3/4", 1"
Strand Tensile Strength (MPa)	3569 - 3677
Strand Tensile Modulus (GPa)	87 - 90
Bulk Glass Density (lb/cu.in.)	0.090
Glass Fiber Density (lb/cu.in.)	0.089
Softening Point (degrees F)	1933
Coefficient of Thermal Expansion (x10(-7) Degrees F)	16
Boron Free	

**Recommended Uses:** Blade Spar, Spall Liner, Pressure Tanks, Ballistic, High Temperature Reinforcements, Muffler, Flooring, Cargo Liners, Timing Belts, Metal Matrix Composites

**Please ask our experienced Technical Sales for detailed information or for new developments.**

**We appreciate your consideration!**

### Disclaimer:

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