

## Carbon Fiber High Gloss Twill Sheets



ACP's High Gloss Twill Carbon Fiber Sheet are an outstanding decorative laminate with a deep, glossy, three dimensional finish. Our proprietary Autoclave curing process produces the most consistent and highest quality gloss carbon fiber sheets possible. Manufactured using 100% real carbon fiber fabric pre-impregnated with high quality epoxy resin, these sheets are cured at high temperatures and pressure to ensure a strong, rigid product that cannot be re-shaped after cured. Unlike a wet layup, our Autoclave curing process consistently yields flat, lightweight sheets with minimal voids, waves or buildups.

### Physical Properties

Thickness	.008" +/- .003"	.023" to .039" +/- 15%	.059" and thicker +/- 15%
Skin Material	2x2 Twill Carbon Prepreg	2x2 Twill Carbon Prepreg	2x2 Twill Carbon Prepreg
Skin Construction	Single Layer on outer surfaces	Single Layer on outer surfaces	Single Layer on outer surfaces
Core Material	N/A	Uni Carbon Fiber Prepreg	Uni Carbon Fiber Prepreg
Core Construction	N/A	0/90° Unidirectional Layup	0/90° Unidirectional Layup
Resin Matrix	Epoxy with Built in UV Inhibitor	Epoxy with Built in UV Inhibitor	Epoxy with Built in UV Inhibitor
Fiber Volume	60-65%	60-65%	60-65%
Finish	Gloss/Matte, Gloss/Adhesive	Gloss/Matte, Gloss/Gloss	Gloss/Matte, Gloss/Gloss

### Technical Properties

Tensile Strength	266 ksi
Tensile Modulus	18.3 msi
Tensile Strain	10,370
Compressive Strength	193 ksi
Compressive Modulus	16.5 msi

All the information contained in these properties is believed to be reliable. It is intended for comparison purposes only as each manufactured lot will exhibit variations. The user should evaluate the suitability of each product for their application. We cannot anticipate the variations in all end use and we make no warranties and assume no liability in connection with the use of this information.