

**PRODUCT DATA SHEET**

**CF51-39-22**

This material is 22 oz plain weave carbon cloth. The material is capable of withstanding temperatures up to 3000°F, providing a fabric that will hold up in the most demanding conditions.



<b>Hi Temp C-Fabric</b>	<b>Rolls 39" X 25 YDS</b>
<b>Temperature Limitations for Short Periods</b>	<b>Up to 3000°F (1648°C) ***</b>
<b>Temperature Limitations for Continuous Use</b>	<b>Up to 500°F (260°C) ***</b>
<b>Thickness Availabilities</b>	<b>0 .045" +- 10%</b>
<b>Density Availabilities</b>	<b>22 oz/yd<sup>2</sup> +- 10%</b>
<b>Typical Uses</b>	<b>Welding or Pre-heat or Post Heat Pads</b>

**Nominal Weights (oz. per SY):**

	oz/sy	Weight %	Fiber	Yield	End Per Inch
Total:	22.0				
Warp (0°):	12.5	57%	12K Carbon	620	14
Weft (90°):	9.5	43%	12K Carbon	620	10

Tolerance: +- 8%

**Fiber Data** (Typical Properties)

<b>Fiber:</b> 12K Tow Fiber	
<b>Coupling Agent:</b> Silane	<b>Density:</b> 0.065 lbs/in <sup>3</sup>
<b>Tensile Strength:</b> 711 ksi	<b>Width Tolerance:</b> Leno to Leno +- 0.25"
<b>Tensile Modulus:</b> 33.4 msi	<b>Tail Width:</b> 0.5 +- 0.25"
<b>Strain:</b> 2.1%	

\*\*\*Because this material is used in widely varied applications, we do not guarantee the applicability or accuracy of the technical information included herein. This is a guide only without guarantee. We recommend making your own tests in your specific application on the material of interest.