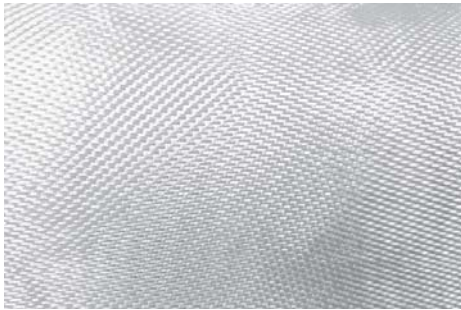


## Fiberglass Room Temperature Storage Prepreg



Our Fiberglass Room Temperature Prepreg is an 8.8 oz 8 Harness Satin Weave E-Glass fabric impregnated with a thermosetting epoxy resin system. It is storable at room temperatures and does not require freezer storage. With the long out life of the resin matrix, the carbon fiber prepreg can be shipped and handled at room temperatures. It is ideal for use when a long shelf life is desired, high-temperature capabilities are not required and controlled resin content is wanted.

Physical Fabric Properties	
Weight	8.81 oz/yd <sup>2</sup>
Thickness	.008"
Construction (W x F)	57 x 47 8HarensS Satin Weave
Fiber Type	E-Glass
Resin Matrix	Thermosetting Epoxy
Resin Content	30% by Weight
Technical Resin Properties	
Density	1.229 g/cc
Tg (fromG" DMA curve)	270°F
Tensile Strength	10.7 ksi
Tensile Modulus	440 ksi
Elongation @ Break	4.0%
Tg after 24hr Water Boil	169°F
Operation Temp.	60°F - 70°F below the resin Tg

Cure Cycles	
There are three optional cure cycles. All three will produce similar properties.	
1.	<ul style="list-style-type: none"> <li>5°F-per-minute ramp up to 310°F (154°C)</li> <li>Hold for 1 hour</li> <li>&lt;5°F-per-minute ramp down to at least 150°F (66°C) before removing from oven</li> </ul>
2.	<ul style="list-style-type: none"> <li>5°F-per-minute ramp up to 290°F (154°C)</li> <li>Hold for 2 hours</li> <li>&lt;5°F-per-minute ramp down to at least 150°F (66°C) before removing from oven</li> </ul>
3.	<ul style="list-style-type: none"> <li>5°F-per-minute ramp up to 270°F (154°C)</li> <li>Hold for 4 hours</li> <li>&lt;5°F-per-minute ramp down to at least 150°F (66°C) before removing from oven</li> </ul>

### Shelf Life/Storage

The material should remain sealed when not is use and be stored indoors, out of the weather.

- The shelf life is 6 months from the date of manufacture when the maximum storage temperature shall not exceed 90°F (32°C).
- The shelf life is 12 months from the date of manufacture when the maximum storage temperature shall not exceed 75°F (24°C).
- The shelf life is 30 months from the date of manufacture when the maximum storage temperature shall not exceed 0°F (-18°C), with an additional 6 months at <75 °F (24°C).

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.