



## TCR™ Prepreg Fabrics Delivering High-Performance Prepreg Solutions



Storable at room temperature, TCR™ prepreg fabrics are available in many styles, weights and widths. Commonly used fabrics are often stocked on site at TCR Composites while any other fabrics, including specialty items, are obtained from suppliers worldwide. With the long out-life of TCR™ resins, the prepreg fabrics can be

stored, used and processed without a shortage of time.

Fabrics, also referred to as “broadgoods”, are used in a wide variety of markets including wind energy, industrial, infrastructure, aerospace, medical and recreation. The broadgood forms available as prepreg from TCR Composites include Biaxial, Triaxial, Stitched, Uni-Woven, Non-Woven, Multi-Axial and Hybrids.

Various Fabric Descriptions			
Fiber Type	Weave/Style	Fabric Areal Weight (FAW)	Fabric Width
Carbon	2x2 Twill	5.8osy / 197gsm	50" / 127cm
E-Glass	8-Harness Satin	8.95osy / 303gsm	50" / 127cm
Aramid	2x2 Twill	5.0osy / 170gsm	50" / 127cm
S-Glass	Plain (1x1)	5.6osy / 190gsm	30" / 76cm
Quartz	8-Harness Satin	8.5osy / 288gsm	50" / 127cm
Carbon	+/-45° Double Bias	6.97osy / 236gsm	15" / 38cm
Carbon	2x2 Twill	19.8osy / 670gsm	50" / 127cm
E-Glass	Plain (1x1)	5.63osy / 191gsm	30" / 76cm
Carbon	0°, +/-60° Triaxial	8.0osy / 272gsm	43.3" / 110cm
Carbon	Plain (1x1)	5.8osy / 195gsm	50" / 127cm

Contact TCR to discuss specific prepreg fabric needs

Available Resin Systems			
Formulation	Resin Tg (DMA)	Recommended Cure Cycle Hold Time	Typical Applications
UF3323	240F / 116C	24 hr @ 280F / 138C	Rocket motor cases, large structures requiring long production time
UF3325	255F / 124C	1 hr @ 310F / 154C	Sporting goods, rocket motor cases, high-pressure cylinders, commercial applications
UF3352	270F / 132C	1 hr @ 310F / 154C	Sporting goods, rocket motor cases, commercial applications
UF3357	356F / 180C	2 hr @ 356F / 180C	High-temperature applications
UF3360	331F / 166C	1 hr @ 350F / 177C	Moderately-high-temperature applications
UF3376	275F / 135C	4 hr @ 250F / 121C	High-pressure vessels, large structures and commercial applications
TR1109	264F / 129C	4 hr @ 250F / 121C	Moderately-low temperature applications - low tack system
TR1110	297F / 147C	2 hr @ 330F / 166C	Flame-retardant, Bromine-free and Antimony-free
TR1111	232F / 111C	4 hr @ 250F / 121C	Toughened, low-temperature applications
TR1112	234F / 112C	4 hr @ 200F / 93C	Low-temperature cure, high strength applications

See individual Resin Data Sheets for complete cure cycle information

Prepreg Fabric Packaging / Shipping Guidelines		
Cardboard Core Size	Fabric Length per Roll	Packing
6"x55"	0.5-95 LYS	Sealed in moisture-resistant poly bags
15.24 x 139.7 mm	0.46-87 M	
Box Size	Units per Box	Max Box Weight
57.25"x14"x14"	1	~150 LBS
145.42 x 35.56 x 35.56 cm	1	~68 KGS

Dry Ice and Temperature Recorders are Not Required

TCR Composites is certified to ISO9001-2015. TCR is a trademark of TCR Composites, Inc.

For more information or to learn about our products, contact TCR Composites at +1 800 TC RESIN or +1 801 622 3800

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