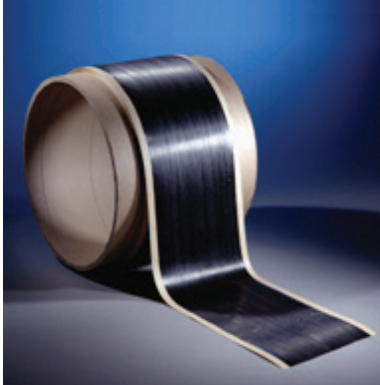




# TCR Composites

## TCR™ Prepreg UD Tape Delivering High-Performance Prepreg Solutions



TCR's line of unidirectional tapes features a patented thermoset epoxy resin system with extended out-times at room temperature. Customer may specify resin types, resin content and fiber areal weights (FAW) from 150 to 600 gsm. Uni-tapes are available with poly backing. Reinforcements may be selected from various carbon fiber suppliers.

Unidirectional tapes are fibers impregnated with a resin matrix; all fibers run in the same direction. They can be made in a variety of weights and thicknesses to meet customer requirements.

TCR™ commercial grade prepreg uni-tapes are ideal for fabricating composite products that require long lay-up times and thick laminate construction.

Uni-tapes are well-suited for recreation, infrastructure, industrial and medical applications.

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
UF3362	324F / 162C	1 hr @ 350F / 177C	Moderately-high-temperature applications

Prepreg Uni-Directional Tape Packaging / Shipping Guidelines		
Cardboard Core Size	Unit Weight	Packing
21" diameter	15-50 lbs	Sealed in moisture-resistant poly bags
533 mm diameter	6.8-22.7 kgs	
Box Size	Units per Box	Max Box Weight
25"x25"x15"	1	~50 LBS
635 x 635 x 381 cm	1	~22.7 KGS
<b>Dry Ice and Temperature Recorders are Not Required</b>		

See individual Resin Data Sheets for complete cure cycle information

Prepreg Uni-Directional Tape Characteristics	
Width	1"-12" / 25-305mm
Fiber Type	Carbon (standard and intermediate modulus), some pitch fibers
Resin Content	Controlled to +/-3%, tailored to customer requirements
Resin Type	See Available Resin Systems chart on this page
Fiber Areal Weight (FAW)	150-600gsm
<b>Contact TCR to discuss specific prepreg uni-directional tape needs</b>	

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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