

TCR™ HIGH-PERFORMANCE TOWPREG

Our towpregs feature a patented thermoset resin system, storable at room temperature, that can be used with virtually any continuous fiber reinforcement. Our towpregs are designed for high throughput (up to 1378 ft/420 m per minute) for filament winding applications. Tow can be impregnated from 6K to 60K standard modulus to high modulus carbon fibers as well as glass, basalt, aramid, and PBO with equivalent cross sections.

TCR™ resins and fibers are matched to provide top performance. Each carbon fiber has unique properties and therefore may require a specific resin to achieve maximum performance. Please contact us for optimum fiber and resin matching.

Our towpregs are the material of choice for pressure vessels. From the highest performance rocket-motor cases to the best quality commercial pressure tanks, you simply cannot find a better towpreg system. Our line of high-performance towpregs are used in a variety of markets including aerospace, defence, industrial, infrastructure, recreation and leisure.



Typical Fiber Performance in a Pressure Vessel

Manufacturer	Fiber	Mfg. Certified Fiber strength (ksi)	TCR Delivered Fiber Strength (ksi)	Translation (%)
Toray T1000GB	12K	911	845	93
Toray M30SC	18K	823	780	95
Hexcel PV42-850	12K	821	787	96
Toray M30GC	18K	739	655	89
Pyrofil TRH50	12K	735	654	89
Toray T700SC	12K	720	685	95
Tenax® UTS50 - E13	12K	689	628	91
Pyrofil TR50S	12K	683	583	85
Grafil 34-700	12K	646	534	85
Thornel T300C	12K	500	448	90

Resins for Towpreg

Resin System
UF3323
UF3325
UF3330
UF3339
UF3357
UF3360
UF3369
UF3376



Packaging

Core Size	Unit Weight	Units per Box	Packaging
3 x 11 in 76 x 280 mm	4-20 lb 2-9 kg	4-8	Sealed in moisture resistant poly bags; boxed for shipping

TCR Composites is registered to ISO 9001:2000
TCR™ is a trademark of TCR Composites, Inc.



TCR COMPOSITES

219 North 530 West
Ogden Utah 84404
USA

1.801.622.3800 (Int'l)
1.800.TCRESIN (U.S.)
1.801.622.3809 (Fax)
tcrresin@tcrcomposites.com
www.tcrcomposites.com