

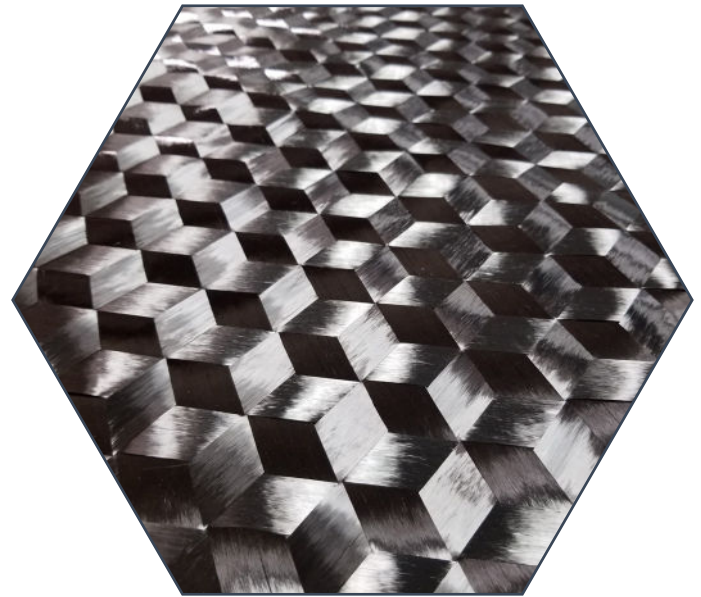


## CARBON FIBER TRIAXIAL SPREAD TOW 12K T700 MODEL #: F-2148-39

CARBON FIBER TOW	SI UNITS	US UNITS
Type	Toray T700SC-12K	
Fibers per tow	12000	
Tensile strength	4900 MPa	711 ksi
Tensile modulus	230 Gpa	33.4 Msi
Strain	2.1%	
Density	1.80 g/m <sup>3</sup>	0.065 lbs/in <sup>3</sup>
Filament diameter	7 µm	2.8E-4 in.
Yield	0.8 g/m	1862 ft/lbs

SPREAD TOW TAPE	SI UNITS	US UNITS
Tape width	20mm	0.79 in
Additional tape binder	Yes, epoxy compatible	
Area density	40 g/m <sup>2</sup>	1.18 oz/yd <sup>2</sup>
Dry tape thickness	50 µm	.002 in.

TRIAXIAL CARBON FIBER FABRIC	SI UNITS	US UNITS
Weave	Dense triaxial weave	
Area density	120 g/m <sup>2</sup>	3.54 oz/yd <sup>2</sup>
Width	1m	39 in.
Dry fabric thickness	150 µm	.006 in.



Information and data included in this data sheet is considered to be accurate and reliable to the best of our knowledge however it is not guaranteed to be so. It is the user/buyer's responsibility to determine for themselves the suitability of any material for a specific purpose and to adopt such safety precautions as may be necessary. Composite Envisions make no representations or warranties as to the results to be obtained in using any material. As Composite Envisions cannot foresee all conditions under which products will be used, user/buyer waives any claim against Composite Envisions for direct, indirect, consequential, or exemplary damages including without limitation, damage which may incur as a result of user/buyer's use or misuse of the product or the product's failure to perform to any expected performance level.

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