



Toray Composite Materials America, Inc.

T1100S

INTERMEDIATE MODULUS CARBON FIBER

Next-generation intermediate modulus fiber with excellent processability in traditional manufacturing methods (filament winding). Manufactured in the U.S.

PRODUCT DESIGNATION

T1100S	C	12,000	7	1	E
Fiber Type	Twist*	Filament Count	Sizing Type	Surface Treatment	Sizing Amount

*C: Never Twisted

RESIN SYSTEM COMPATIBILITY

SIZING TYPE & AMOUNT	RESIN SYSTEM COMPATIBILITY	METHOD
50C (1.0%)	Epoxy, phenolic, polyester, vinyl ester	TY-030B-05

FIBER PROPERTIES

PROPERTY	ENGLISH	METRIC	METHOD
Tensile Strength	1,017 ksi	7,000 MPa	TY-030B-01
Tensile Modulus	47.0 Msi	324 GPa	TY-030B-01
Strain at Failure		2.2%	TY-030B-01
Density		1.79 g/cm ³	TY-030B-02
Filament Diameter		5 µm	
Yield	12K	505 g/1000m	TY-030B-03
	24K	1,010 g/1000m	TY-030B-03

PACKAGING

The table below summarizes the tow sizes, twists, sizing types, and packaging available for standard material. Other bobbin sizes may be available on a limited basis.

TOW SIZES	BOBBIN NET WEIGHT (kg)	BOBBIN TYPE	BOBBIN SIZE (mm)					SPOOL PER CASE	CASE NET WEIGHT (kg)
			a	b	c	d	e		
12K	2.0	III	76.5	82.5	280	125	252	12	24
24K	4.0	III	76.5	82.5	280	160	252	6	24

Bobbin Type:

