

**TECHNICAL
DATA SHEET**

TC780

Standard Modulus TAIRYFIL Carbon Fiber

- TAIRYFIL carbon fiber produced from polyacrylonitrile-based precursor.
- High strength, standard modulus, never twisted carbon fiber available with excellent processability for different applications, especially pressure vessels.

Fiber Properties

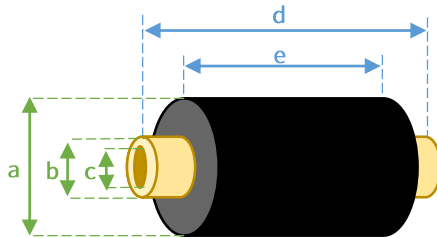
Tow sizes	Yield (g/1000m)	Tensile Strength		Tensile Modulus		Elongation (%)	Density (g/cm ³)	Sizing Type	Sizing Content (%)
		Ksi	MPa	Msi	GPa				
12K	800	780	5380	36	250	2.2	1.8	Epoxy	1.0-1.6
24K	1600								

1. Test Method : JIS-7608
2. Carbon fiber could be produced with different sizing (compatible with thermoplastic resin).
3. The sizing content could be customized.

Packing Standard

- Dimensions are defined as follow :

- a = diameter of bobbin
- b = external diameter of tube
- c = internal diameter of tube
- d = length of tube
- e = length of bobbin



Type	Tow sizes	Fiber Weight (kg)	Bobbin Size (mm)					Bobbin Per Case	Case Net Weight (kg)
			a	b	c	d	e		
TC780	12K	4	155-165	84.8-85.2	76.8-77.2	275-285	245-260	6	24
	24K	4	155-165	84.8-85.2	76.8-77.2	275-285	245-260	6	24



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