

**TECHNICAL
DATA SHEET**

TC55

High Modulus TAIRYFIL Carbon Fiber

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

Fiber Properties

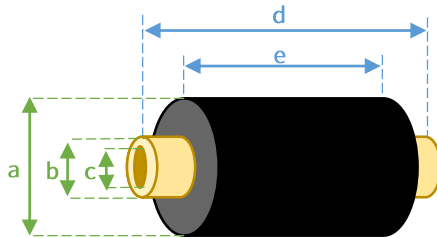
Tow sizes	Yield (g/1000m)	Tensile Strength		Tensile Modulus		Elongation (%)	Density (g/cm ³)	Sizing Type	Sizing Content (%)
		Ksi	MPa	Msi	GPa				
12K	420	640	4400	55	380	1.2	1.79	Epoxy	1.0-1.6
24K	840								

1. Test Method : JIS-7608
2. Carbon fiber could be produced with C 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		
TC55	12K	1	110-120	84.8-85.2	76.8-77.2	275-285	240-255	20	20
	24K	1	110-120	84.8-85.2	76.8-77.2	275-285	240-255	20	20



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