



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

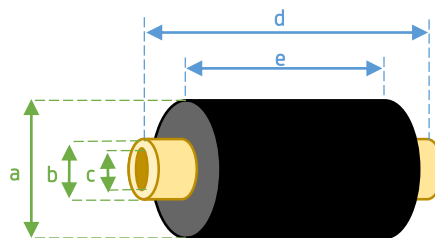
Tow sizes	Yield (g/1000m)	Tensile Strength		Tensile Modulus		Elongation (%)	Density (g/cm <sup>3</sup> )	Sizing Type	Sizing Content (%)
		Ksi	MPa	Msi	GPa				
12K	760	640	4400	55	380	1.2	1.77	Epoxy	1.2-1.8

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	0.95	115-117	84.8-84.9	76.7-77.1	280-281	236-242	20	19.0



### Contact

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