

PRODUCT
DATA

TAIRYFIL

PAN-based
Continuous Carbon Fiber



- **Certifications** ISO 9001, AS9100A, AS9100D, ISO 14001, ISO 45001
- **Specifications**

Grade	Type	Tow Sizes	Yield Tex	Tensile Strength		Tensile Modulus		Elongation	Density	Filament Dia.
			g/1000m	Ksi	MPa	Msi	GPa	%	g/cm ³	µm
Standard Modulus	TC33	1.5K	100	500	3450	33	230	1.5	1.8	7
		3K	200							
		6K	400							
	TC35R	12K	800	580	4000	35	240	1.7	1.8	7
		24K	1600							
		48K	3200							
	TC35	3K	200	580	4000	35	240	1.7	1.8	7
		6K	400							
		12K	800	620	4278	35	240	1.8	1.8	7
		24K	1600							
		48K	3200							
	TC36P	12K	800	710	4900	36	250	2.0	1.8	7
		24K	1600							
	TC780	12K	800	780	5380	36	250	2.2	1.8	7
24K		1600								
Intermediate Modulus	TC42S	12K	440	825	5690	42	290	2.0	1.81	5.1
		24K	880							
	TC880	12K	780	880	6072	42	290	2.1	1.8	6.7
		24K	1560							
High Modulus	TC55	12K	420	640	4400	55	380	1.2	1.79	5.0
		24K	840							

■ About FORMOSA PLASTICS CORP.

Formosa Plastics Corporation (FPC) was established in 1954 with a capital of 2.2 billion USD. The main business areas are plastic raw materials, plastic processing, petrochemical products and synthetic fiber.

FPC is the only carbon fiber manufacturer in Taiwan, and one of the leading carbon fiber manufacturers with annual capacity of 7650 tons. The advantage of TAIRYFIL carbon fiber is the vertical integration from crude oil refining to carbon fiber carbonization within Formosa Plastics Group.

Contact

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