



TAIRYFIL CARBON FIBER

Properties of filament

Fiber Type		Number of Filament	Yield Tex (g/1000m)	Tensile Strength		Tensile Modulus		Elongation (%)	Density (g/cm ³)	Filament Diameter (μ)
				Ksi	Mpa	Msi	Gpa			
TC-33	1.5K	1,500	100	500	3,450	33	230	1.5	1.80	7.0
	3K	3,000	200							
	6K	6,000	400							
TC-35R	12K	12,000	800	580	4,000	35	240	1.7	1.80	7.0
	24K	24,000	1,600							
	48K	48,000	3,200							
TC-35	3K	3,000	200	580	4,000	35	240	1.7	1.80	7.0
	6K	6,000	400							
	12K	12,000	800	620	4,278	35	240	1.8	1.80	7.0
	24K	24,000	1,600							
	48K	48,000	3,200							
TC-36P	12K	12,000	800	710	4,900	36	250	2.0	1.80	7.0
	24K	24,000	1,600							
TC-42S	12K	12,000	440	825	5,690	42	290	1.8	1.81	5.1
	24K	24,000	880							
TC-55	12K	12,000	420	640	4,400	55	380	1.2	1.79	5.0
	24K	24,000	840							

Note: The above figures represent the typical properties of our product

FORMOSA PLASTICS CORPORATION
Tairylan Division