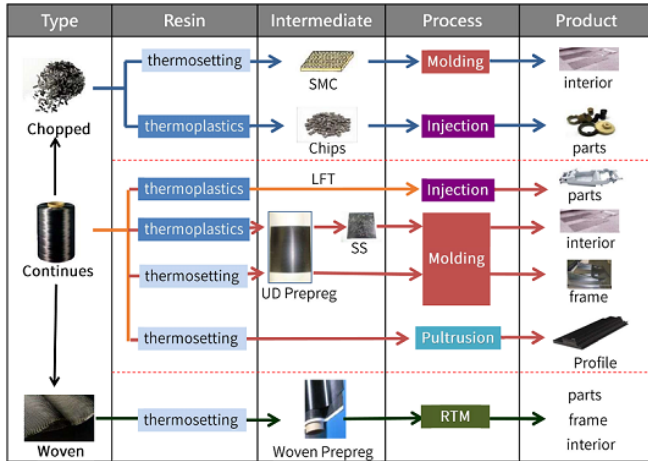




Formosa Plastics is unique in that it is the only carbon fibre manufacturer that produces everything within the group inside Taiwan starting from the crude oil and ending up with the 'Tairyfil' brand carbon fibre yarn. Formosa is rated the 6th biggest chemical company in the world.



The 'material of the future' is now well placed in many industries and in that respect the future is already here.

1.5k, 3k, 6k, 12k, 24k & 48k continuous filament carbon fibre yarns are suitable for weaving, filament winding, pultrusion, uni-directional fabrics, multiaxials, etc.

Regular Epoxy or Thermoslastic Sizings available.

TC-780 is a new grade well-suited for pressure vessel applications.

Fibre Type	Number of Filament	Yield Tex (g/1,000m)	Tensile Strength		Tensile Modulus		Elongation %	Density (g/cm ³)	Filament Diameter	
			Ksi	Mpa	Msi	Gpa				
TC-33	1.5K	1500	100	500	3450	33	230	1.5	1.8	7.0
	3K	3000	200	500	3450	33	230	1.5	1.8	7.0
	6K	6000	400	500	3450	33	230	1.5	1.8	7.0
TC-35R	12k	12,000	800	580	4000	35	240	1.7	1.8	7.0
	24k	24,000	1,600	580	4000	35	240	1.7	1.8	7.0
	48K	48,000	3,200	580	4000	35	240	1.7	1.8	7.0
TC-35	3K	3000	200	580	4000	35	240	1.7	1.8	7.0
	6k	6000	400	580	4000	35	240	1.7	1.8	7.0
	12K	12000	800	620	4278	35	240	1.8	1.8	7.0
	24K	24000	1600	620	4278	35	240	1.8	1.8	7.0
	48K	48000	3200	620	4278	35	240	1.8	1.8	7.0
TC-36P	12K	12,000	800	710	4900	36	250	2.0	1.81	7.0
	24K	24,000	1600	710	4900	36	250	2.0	1.81	7.0
TC-780	12K	12,000	800	780	5380	36	250	2.2	1.8	7.0
	24K	24,000	1600	780	5380	36	250	2.2	1.8	7.0
TC-42S	12K	12000	440	825	5690	42	290	1.8	1.81	5.1
	24K	24000	880	825	5690	42	290	1.8	1.81	5.1
TC-55	12K	12000	420	640	4400	55	380	1.2	1.79	5.0
	24K	24000	840	640	4400	55	380	1.2	1.79	5.0

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