



TAIRYFIL

DATA SHEET

WE DO EXCELLENCE FOR YOU

Formosa Plastics Corporation is the first company in Formosa Plastics Group. Formosa Plastics Group is the global leader in the industries of Petrochemicals, Fibers and Textiles, and Electronic Materials.

Formosa Plastics Corporation is the only company which enable to produce carbon fiber from refinery to carbonization in the world. With this unique integrated advantage, we are the best stable and excellent source for your need in carbon fiber.



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FORMOSA PLASTICS CORPORATION



FORMOSA PLASTICS GROUP



▲ CARBON FIBER PLANT IN MAILIAO INDUSTRIAL PARK



OHSAS 18001



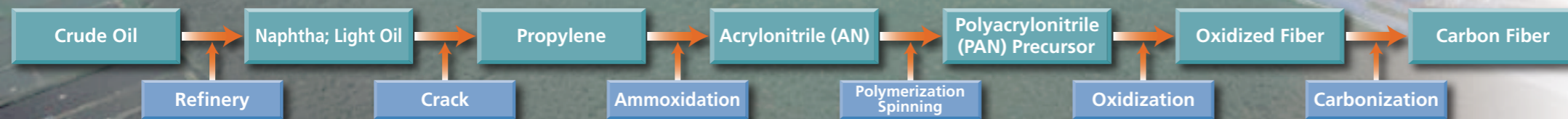
ISO 14001



AS9100B+EN9100+JISQ9100

From Crude Oil to TAIRYFIL

THE INTEGRATED ADVANTAGE OF FORMOSA PLASTICS CORPORATION



SPECIFICATION

Fiber Type	Item Unit	Number of Filament	Yield Tex (g/1,000m)	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	1.8	7
	3K	3,000	200	500	3,450	33	230	1.5	1.8	7
	6K	6,000	400	500	3,450	33	230	1.5	1.8	7
TC-35	3K	3,000	200	580	4,000	35	240	1.6	1.8	7
	6K	6,000	400	580	4,000	35	240	1.6	1.8	7
	12K	12,000	800	580	4,000	35	240	1.6	1.8	7
	24K	24,000	1,600	580	4,000	35	240	1.6	1.8	7
TC-36S	12K	12,000	800	710	4,900	36	250	2.0	1.81	7
	24K	24,000	1,600	710	4,900	36	250	2.0	1.81	7
TC-42S	12K	12,000	430	825	5,690	42	290	2.0	1.81	5.1
	24K	24,000	860	825	5,690	42	290	2.0	1.81	5.1

APPLICATIONS

- 1. Aerospace:** aircraft, jet aircraft, satellite, rocket, C/C disk brake, primary and secondary structure, etc.
- 2. Industry and Transportation:** vehicle, yacht, constructive reinforcement, CNG tank, roller, robot, blade of wind mill, brakes, LCD cassette, medical bed, notebook, etc.
- 3. Sports Goods:** tennis and badminton rackets, fishing rod, bow and arrow golf shaft, ski-board, bicycle, etc.



PRECURSOR ▶

