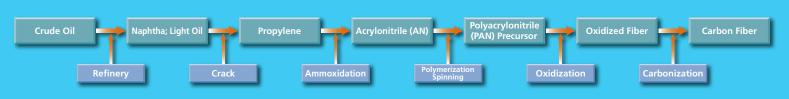


TAIRYFIL

DATA SHEET / COOLING TOWER FAN

From Crude Oil to TAIRYFIL

THE INTEGRATED ADVANTAGE OF FORMOSA PLASTICS CORPORATION



Item		Number of Filament	Yield Tex	Tensile Strength			Tensile Modulus			Elongation	Density	Filament Diameter
Unit Fiber Type		, mannorn	(g/1,000m)	kg/mm²	Ksi	MPa	ton/mm²	Msi	GPa	(%)	(g/cm³)	(μ)
TC-33	1.5K	1,500	100									
	3K	3,000	200	355	500	3,450	23.0	33	230	1.5	1.8	7
	6K	6,000	400									
TC-35R	12K	12,000	800									
	24K	24,000	1,600	410	580	4,000	24.5	35	240	1.7	1.8	7
	48K	48,000	3,200									
TC-35	3K	3,000	200	410	580	4,000	24.5	35	240	1.7	1.8	7
	6K	6,000	400	410	500	4,000	24.5	აე	240	1.7	1.0	1
	12K	12,000	800									
	24K	24,000	1,600	440	620	4,278	24.5	35	240	1.8	1.8	7
	48K	48,000	3,200									
TC-36P	12K	12,000	800	500	710	4,900	25.5	36	250	2.0	1.8	7
	24K	24,000	1,600	300	710	7,300	20.0	30	230	2.0	1.0	,
TC-42S	12K	12,000	440	580	825	5,690	29.5	42	290	2.0	1.81	5.1
	24K	24,000	880	000	020	3,000	20.0		200	2.0	1.01	0.1
TC-55	12K	12,000	420	450	640	4,400	39.0	55	380	1.2	1.79	5.0
	24K	24,000	840									

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.

Specifications: TC35R-12K/24K

Energy Saving of CFRP Cooling Tower Fan Blade

According to Mechanics of Materials

Bending Force=(W*L4)/(8EI)

W: The Strength on the Object

L: The Length of the Object

E: Modulus (The larger Moludus, The Smaller Deformation; the modulus of CFRP is about 3.3 times the GFRP)

I: Moment of Inertia

