

TORAYCA®

TYPE OF CARBON FIBRE

M30S

Item	Property	Unit	Filaments	Nominal Value
TORAYCA® Yarn Properties	Tensile Strength	MPa (kgf/mm ²)		5490 (560)
	Tensile Modulus	GPa (10 ³ kgf/mm ²)		294 (30.0)
	Elongation	%		1.9
	Density	g/cm ³		1.73
	Yield	tex(g/1000m)	18000	745
	Specific Heat	cal/g.°C		-
	Volume Resistivity	x10 ⁻³ Ω.cm		-
0 ° Coef. of Thermal Expansion	x10 ⁻⁶ °C ⁻¹		-	
0 ° Thermal Conductivity	cal/cm.s.°C		-	
	Cross Sectional Area	mm ²	18000	0.43
	Filament Diameter	µm		5.5
Composite Property (Resin System: 2500) (Measured Temp: RT)	0 ° Tensile Strength	MPa (kgf/mm ²)		2990 (305)
	Tensile Modulus	GPa (10 ³ kgf/mm ²)		175 (18.0)
	Elongation	%		1.6
	0 ° Compressive Strength	MPa (kgf/mm ²)		1370 (140)
	Compressive modulus	GPa (10 ³ kgf/mm ²)		-
	0 ° ILSS	MPa (kgf/mm ²)		90 (9)

SOFICAR

Sales Office

Sequana II - 87, quai Panhard et Levassor

75 634 Paris Cedex 13 - France

Tel : 33 (0)1 56 61 12 80

Fax : 33 (0)1 53 79 99 01

E-mail : info@soficar-carbon.com

SOFICAR

Head Office & plant

Route de Lagor

64 150 Abidos - France

Tel : 33 (0)5 59 60 71 00

Fax : 33 (0)5 59 60 71 10

E-mail : info@soficar-carbon.com