

SGL SIGRAFIL® C T24-4.8/240-E100

PRODUCT INFORMATION

Category	Carbon Fibre
Product Format	Tow
Type	Standard Modulus

GENERAL PROPERTIES

Density	1.81 g/cm ³
Linear density	1600 tex
Filament diametre	7 µm
Resin compatibility	EP
Sizing content	1%
Precursor	PAN
Number of filaments	24K
Tow thickness	Small tow
Cross-sectional area	0.884 mm ²

MECHANICAL PROPERTIES

Tensile Strength	4800 MPa
Tensile Modulus	240 GPa
Elongation	2%

ELECTRICAL PROPERTIES

Resistivity (23°C)	15 x10 ⁻⁶ [Ω.m]
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ADDITIONAL INFORMATION

Processes	- Weaving - Filament Winding - Pultrusion - Prepreg - Thermoplastic processes
Common Applications	- Wind energy - Automotive - Industrial - Building
Characteristics	- Optimum winding properties - Low fuzz - Good spreading behavior - Good resin absorption and impregnation characteristics

*This technical data sheet has been created based on our latest knowledge and according to the best information and knowledge currently available. As we are unable to check if our products are used as recommended, we cannot guarantee the results. In spite of this, we will be glad to give an advice.