

## SGL Carbon Group SIGRAFIL CÂ® C30 T045 EPY Continuous Tow Carbon Fiber with 45k filaments, Epoxy Sizing

Category : Carbon , Carbon Fiber , Other Engineering Material , Composite Fibers

### Material Notes:

SIGRAFIL C as continuous tow is ideal for waving, prepregging, filament winding, Carbon Fiber Reinforced Plastics (CFRP) components, advanced composites, multi-axial production, unidirectional tapes, extrusion, pultrusion and other conversion processing. Characteristic properties of SIGRAFIL C include high tensile strength, high modulus of elasticity coupled with high electrical conductivity and compatibility with a large variety of resins. Information provided by SGL Carbon Group

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SGL-Carbon-Group-SIGRAFIL-C-C30-T045-EPY-Continuous-Tow-Carbon-Fiber-with-45k-filaments-Epoxy-Sizing.php](http://www.lookpolymers.com/polymer_SGL-Carbon-Group-SIGRAFIL-C-C30-T045-EPY-Continuous-Tow-Carbon-Fiber-with-45k-filaments-Epoxy-Sizing.php)

Physical Properties	Metric	English	Comments
Density	1.80 g/cc	0.0650 lb/in <sup>3</sup>	Fiber Density
Filament Diameter	7.0 Åµm	7.0 Åµm	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	3800 MPa	551000 psi	ASTM D3379-76
Elongation at Break	1.6 %	1.6 %	ASTM D3379-75
Modulus of Elasticity	225 GPa	32600 ksi	ASTM D3379-76

Electrical Properties	Metric	English	Comments
Volume Resistivity	0.0015 ohm-cm	0.0015 ohm-cm	

Descriptive Properties	Value	Comments
Carbon Content, wt %	>95	
Sizing Content, % by weight	0.5 - 1.8	
Weight per unit length, g/m	3.3	

## Contact Songhan Plastic Technology Co.,Ltd.

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