

SGL Carbon Group SIGRAFIL CÂ® C30 T050 EPY Continuous Tow Carbon Fiber with 50k 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-T050-EPY-Continuous-Tow-Carbon-Fiber-with-50k-filaments-Epoxy-Sizing.php

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

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	4000 MPa	580000 psi	ASTM D3379-77
Elongation at Break	1.6 %	1.6 %	ASTM D3379-75
Modulus of Elasticity	240 GPa	34800 ksi	ASTM D3379-77

Electrical Properties	Metric	English	Comments
Volume Resistivity	0.0014 ohm-cm	0.0014 ohm-cm	

Descriptive Properties	Value	Comments
Carbon Content, wt %	>95	
Sizing Content, % by weight	1	
Weight per unit length, g/m	3.5	

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