

SGL Carbon Group SIGRAFIL CÂ® C25 P250 EPY Pelletized Carbon Fiber, Epoxy Sizing

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

Material Notes:

Milled SIGRAFIL C is excellent for making materials electrically conductive such as powders, dry mixtures, adhesives, floorings, aqueous adhesive systems and all aqueous mixing processes. Milled SIGRAFIL C fibers can be added to thermoplastic injection molding compounds and are also available in a pelletized form for improved handling characteristics. SIGRAFIL C fibers are optimized in terms of their mechanical properties to offer excellent physical handling and process feeding properties. SIGRAFIL C can be blended with a 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-C25-P250-EPY-Pelletized-Carbon-Fiber-Epoxy-Sizing.php

Physical Properties	Metric	English	Comments
Bulk Density	0.220 g/cc	0.00795 lb/in ³	
Density	1.80 g/cc	0.0650 lb/in ³	Fiber Density
Filament Diameter	7.5 Åµm	7.5 Åµm	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	3600 MPa	522000 psi	ASTM D3379-103
Elongation at Break	1.4 - 1.8 %	1.4 - 1.8 %	ASTM D3379-75
Modulus of Elasticity	225 GPa	32600 ksi	ASTM D3379-103

Electrical Properties	Metric	English	Comments
Volume Resistivity	0.0016 ohm-cm	0.0016 ohm-cm	

Descriptive Properties	Value	Comments
Carbon Content, wt %	>95	
Mean Fiber Length, mm	0.135	Milled
Sizing Content, % by weight	1.5 - 4.5	

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