

CF500 GW

CF500 GW is a CHEMFAB® material that utilizes a tightly woven Beta® fiberglass substrate with a woven-in grid of graphite yarn to provide static dissipative performance. This product is silicone free. This material is primarily used in aerospace applications for space shuttles and international space stations. For applications that do not require electrical static dissipation, please refer to CF500 F.

Typical Properties

Property	Units	Value
Widths Available	inches	80
Weight	oz/yd ²	7.6
Thickness	inches	0.008
Breaking Strength (Warp)	lbs/in	150
Breaking Strength (Fill)	lbs/in	170
Trapezoidal Tear (Warp)	lbs	10
Trapezoidal Tear (Fill)	lbs	7
Porosity	SCFM/ft ²	0.1
Elongation at Break (Warp)	%	>6.5
Elongation at Break (Fill)	%	>2.0
Resin Content	%	17-22
Dielectric Strength	volts/mil	1100
Emissivity	%	>0.8
Absorptivity	%	<0.29
Abrasion Resistance	Taber Cycles	>750
Grid Dimensions	inches	4 x 6
Electrical Resistivity	ohms/square	<100,000

Saint-Gobain Performance Plastics
 701 Daniel Webster Highway
 Merrimack, NH 03054
 Customer Service: +1 800 451 6101
 Telephone: +1 603 424 9000

chemfab@saint-gobain.com

www.chemfab.com

Beta® is a registered trademark of Advanced Glassfiber Yarns LLC (AGY).
 CHEMFAB® is a registered trademark ©2017 Saint-Gobain Performance Plastics Corporation

NOTE: Saint-Gobain Performance Plastics Corporation does not assume any responsibility or liability for any advice furnished by it, or for the performance or results of any installation or use of the product(s) or of any final product into which the product(s) may be incorporated by the purchaser and/or user. The purchaser and/or user should perform its own tests to determine the suitability and fitness of the product(s) for the particular purpose desired in any given situation.

Limited Warranty: For a period of 6 months from the date of first sale, Saint-Gobain Performance Plastics Corporation warrants this product(s) to be free from defects in manufacturing. Our only obligation will be to provide replacement product for any portion proving defective, or at our option, to refund the purchase price thereof. User assumes all other risks, if any, including the risk of injury, loss or damage, whether direct or consequential, arising out of the use, misuse, or inability to use this product(s). SAINT-GOBAIN PERFORMANCE PLASTICS DISCLAIMS ANY AND ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

Valid 02/2017 • Supersedes all previous versions
 PDS.CF500GW.0217.US.CFMC

