

BETA® CLOTH

CF500 F

BA 500BC is a Versiv material that utilizes a tightly woven Beta® fiberglass substrate, lightly coated with PTFE. This product is silicone free.

This material is primarily used as a protective layer in multilayer insulation blankets in aerospace and space applications.

ASTM E595 compliant.

PROPERTY	METRIC		IMPERIAL		TEST METHOD
Standard Widths	1295	mm	51	in	-
Coated Weight	260	g/m ²	7.6	oz/yd ²	FTMS 191A-5041
PTFE Weight	50	g/m ²	1.5	oz/yd ²	FTMS 191A-5041
Thickness	0.205	mm	8	mil	FTMS 191A-5030
Breaking Strength (Min. Avg)	165 x 160	N/cm	95 x 90	lb/in	FTMS 191A-5102
Trapezoidal Tear (Min. Avg)	17.8 x 17.8	N	4 x 4	lb	FTMS 191A-5136
Elongation at Break (Min. Avg)	2.0 x 2.0 %				-
Abrasion Resistance	> 750 Taber Cycles				FTMS 191A-5308
Thermal Emittance	> 0.88				ASTM E408
Solar Absorptance	< 0.15				ASTM E903
Solar Transmittance	< 0.35				ASTM E903
Nominal PTFE Content	17 - 22 %				-
Thermal Conductivity*	0.14 W/m•K				-
Temperature Range**	-150 to +260	°C	-240 to +500	°F	-

*Not a routine test

**Based on widely available industry data. Testing required for exact application as values vary based on pressure and other environmental factors.

CONTACT US

☎ +353 65 90 80 170

✉ contact@versivcomposites.com

Versiv Composites Limited

Kilrush, Co. Clare, V15 NW27, Ireland

www.versivcomposites.com

Beta® is a registered trademark of Advanced Glassfiber Yarns LLC (AGY).

IMPORTANT: Pictures shown are for illustration purpose only. The values presented are typical values and should not be used for specification purposes. Contact your representative for more information. It is the user's responsibility to ensure the suitability and safety of Versiv Composites products for all intended uses and that the materials to be used comply with all applicable regulatory requirements. Versiv Composites Limited assumes no responsibility for any product failures that occur due to misuse of the materials it provides arising out of the design, fabrication, or application of the products into which the materials are incorporated by purchaser and/or user.

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