

## C-RAM<sup>™</sup> CS & CS-HT Space cloth sheet stock with controlled resistivity and RF loss

## **Description**

C-RAM<sup>™</sup> CS and CS-HT are series of materials with controlled surface resistivity and RF loss.

Both grades are based on a lightweight woven fiberglass cloth, which is coated with a carbon loaded coating yielding well controlled resistance and RF loss.

C-RAM<sup>™</sup> CS and CS-HT are space cloth type materials exhibiting traditional woven fabric characteristics allowing air and liquids to pass through the material.

-40 to +215

(-40 to +102)

Service	temperature,	°F	(°C)	
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C-RAM<sup>™</sup> CS-HT is made with a binder which exhibits high thermal breakdown, thus the material will withstand continuous use through 300°F.

C-RAM<sup>™</sup> CS is tested and controlled by its insertion loss, measured with the material at a 0° incidence angle.

## **Availability**

C-RAM<sup>™</sup> CS and CS-HT are available in the following grades

<u>Grade</u> CS 100 CS 377 CS 1000	Surface resistance 100 ohm/sq 377 ohm/sq 1000 ohm/sq	Insertion loss <u>at 10 GHz</u> 8.9 dB 3.5 dB 1.5 dB
CS 1500	1500 ohm/sq	1.0 dB

9 dB 5 dB 5 dB ) dB

Nominal thickness is .010 in to .015 in. Standard sheet size is 12 in x 12 in but can be supplied up to 36 in x 48 in upon request.

All recommendations, statements, and technical data contained herein are based on tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty, either expressed or implied. User shall rely on his own information and tests to determine suitability of the product for the intended use and assumes all risks and liability resulting from his use of the product. Seller's and manufacturer's sole responsibility shall be to replace that portion of the product of this manufacturer which proves to be defective. Neither seller nor manufacturer shall be liable to the buyer or any third person for any injury, loss, or damage directly or indirectly resulting from use of, or inability to use, the product. Recommendations or statements other than those contained in a written agreement signed by an officer of the manufacturer shall not be binding upon the manufacturer or seller.

This document has been reviewed by the PPG Aerospace Export Control Department and has been determined to contain only EAR99 controlled data.

## **Cuming Microwave** Corporation

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