CUMING MICROWAVE

C-RAM LPJN

TECHNICAL BULLETIN 320-4A

FLEXIBLE JAUMAN ABSORBER

C-RAM LPJN is a series of lightweight, flexible, weatherproof radar absorbers, which can be used indoors, outdoors, or wherever the material may be in contact with water, saltwater, or other liquids. C-RAM LPJN is made of alternating layers of closed-cell flame retardant foam and resistive layers. It is based on the Jaumann principle of operation. C-RAM LPJN is designed to provide typically -20 dB of reflectivity reduction in the frequency range of 8-18 GHz.

APPLICATIONS

The radar absorber is useful for reducing reflections associated with radar ranges, antennas, aircraft, and naval vessels. Its easy-to-clean surfaces and non-dusting behavior make it suitable for cleanroom applications.

The standard size of C-RAM LPJN is 24 x 24 in. Standard thickness is less than 0.5" weight is under 0.5 LB per foot square. Other thicknesses, shapes, and sizes are available on a custom order basis. It can be easily cut to special size or shape. Sheets are bonded together or to a reflecting surface with a contact adhesive such as C-BOND 287.
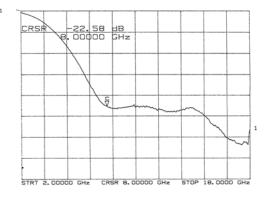
TYPICAL PROPERTIES

Color: Gray
Size: 24" X 24" standard
Service Temp.: -40 to +180 ^{o}F (LPJ)

METHOD OF APPLICATION

For best performance, C-RAM LPJ and RCJ must be mounted with its back face in close contact with a metallic reflecting surface. The back faces of C-RAM LPJN are identified by markings designating its type and grade; the front face is blank and colored Gray. A special grade, designated C-RAM LPJN/M, is available with an integral metal foil backing.

Electrical Performance

The information in this technical bulletin, although believed to be accurate, is not to be taken as a warranty for which Cuming Microwave assumes legal responsibility, nor as permission to practice any patented invention without license. It is offered for verification by the customer, who must make the final judgment of suitability for any application

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11/03/2011   Page 1 of 1