

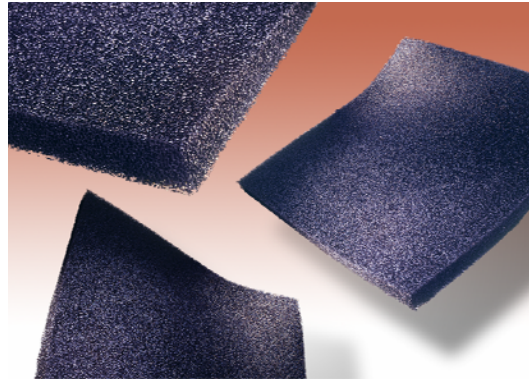
# CUMING MICROWAVE

Technical Bulletin 320-9C

## C-RAM PIM 645 FR 700 MHz-3 GHz FLAME RETARDANT ISOLATION FOAM

RoHS  
Compliant

C-RAM PIM 645 FR is a line of flame retardant indoor isolation foam sheet material, comprised of urethane foam and a lossy carbon loading. C-RAM PIM 645 FR absorbs RF microwave energy across 700 MHz through 3 GHz. frequencies. C-RAM PIM 645 FR has proven to be ideal for PIM reduction and isolation between antennas; it can also be used to cover fences to de-couple adjacent antennas, and shield or isolate equipment. The open-cell structure permits airflow freely through the absorber.



### TYPICAL PROPERTIES

Porosity, pores per inch:	30-80
Tensile strength, psi:	8-12
Tear strength, lb/inch width:	2.2
Density, lb/ft <sup>3</sup> :	3.0
Ultimate elongation (%) max:	275

### Environmental Properties

Operating temp., max:	200°F
Ozone adverse affects:	No
Fungus Resistance,	
Evidence of fungus growth:	No

### TYPICAL INSERTION LOSS

(dB down from reference)

#### C-645

Thk.	Performance	Freq. Range
0.5in.	-12 dB	700 MHz-3GHz
1.0in.	-18 dB	700 MHz-3GHz

### METHOD OF APPLICATION

Typically C-RAM PIM 645 FR can be adhered in place using neoprene contact adhesives or it can be mechanically fastened using low dielectric plastic fasteners. C-RAM PIM 645 FR is easily cut by bandsaw, utility knife, or shears. It is easily applied to curves or cut to fit into various sizes.

### AVAILABILITY

C-RAM PIM 645 FR is available in standard sizes of 24x24in (610x610mm) and 24x48in (610x1220mm). Other sizes are available. Cuming Microwave can also supply parts cut to drawings. Consult the factory for other sizes.

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