

## RF Insertion Loss Foam

### RF75



#### Overview

RF Insertion Loss Foam is a lightweight lossy carbon loaded foam sheet material. This foam has an extremely broad frequency range. It can be used to lower the Q of cavities, attenuate surface currents, and absorb stray RF energy.

#### Applications

Primarily used to provide added RF insertion loss to an RF Shielded Test Enclosure.

#### Electrical Properties:

Insertion Loss @ 1 GHz:	30dB.
Insertion Loss @ 3 GHz:	45dB.
Insertion Loss @ 10 GHz:	82.5dB.
Reflection Loss:	2 to 3dB.

#### Mechanical Properties:

Color:	Black.
Sheet Size:	24" x 24" x 0.75" (609.6mm x 609.6mm x 19.1mm).
Thickness:	75" (19.1mm).
Density:	4 to 8 lb/ft <sup>3</sup> (0.13g/cm <sup>3</sup> ).
Service Temperature:	-85°F to +250°F (-50°C to +120°C).
Tensile Strength:	12 psi.
Compression Set, 80%:	5%.
Compression Set, 90%:	10%.

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