

## ABS-LCF series

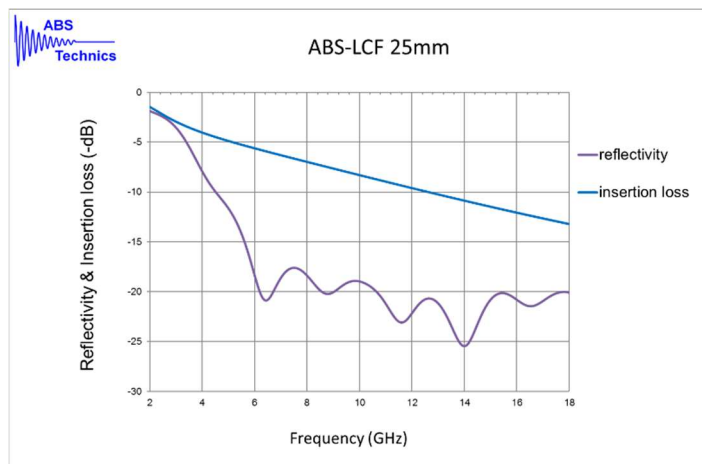
### Flexible open cell microwave foam absorber

ABS-LCF is a series of light weight, flat, flexible, open cell microwave absorber comprised of polyurethane foam with a conductive and lossy gradient. Related to the frequency of operation different thicknesses are available.

#### Applications :

- ABS-LCF are widely used in many RF applications in a broad frequency range, RF-performance of the material is related to its thickness and frequency of operation.
- ABS-LCF is typically used on antenna systems to improve the antenna pattern, reduction of side lobes and back radiation.
- Isolation between RF-systems and also improvement of reflectivity level of reflecting objects.

#### Specifications :



#### Properties :

ABS-LCF is typically specified by its loss properties, insertion loss or attenuation both expressed in dB/thickness. Different grades in losses and thickness are available. Although thickness and carbon loading are not designed to obtain best possible reflectivity level the material is occasionally applied for its reflectivity level.

The base material is a soft foam, so mechanically low density and ease of application are its most important Standard outside dimensions : 610 x 610mm with different thicknesses.

Maximum service temperature : +90°C

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**Availability :**

Typical available thicknesses are 10,15 & 25mm.

Besides standard outside dimensions (610x610mm) also specific or customized sizes and shapes can be supplied.

We are able to supply the material ready to be wrapped on curve shaped applications.

Some applications require a dust free material, ABS-LCF can also be supplied with a protective coating.

ABS-LCF can also be supplied with a metal backside as a galvanised steel plate or conductive foil.

ABS-LCF can also be supplied with a self-adhesive tape

Supplied by:  
[www.hitek-ltd.co.uk](http://www.hitek-ltd.co.uk)  
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