

ABS-WK

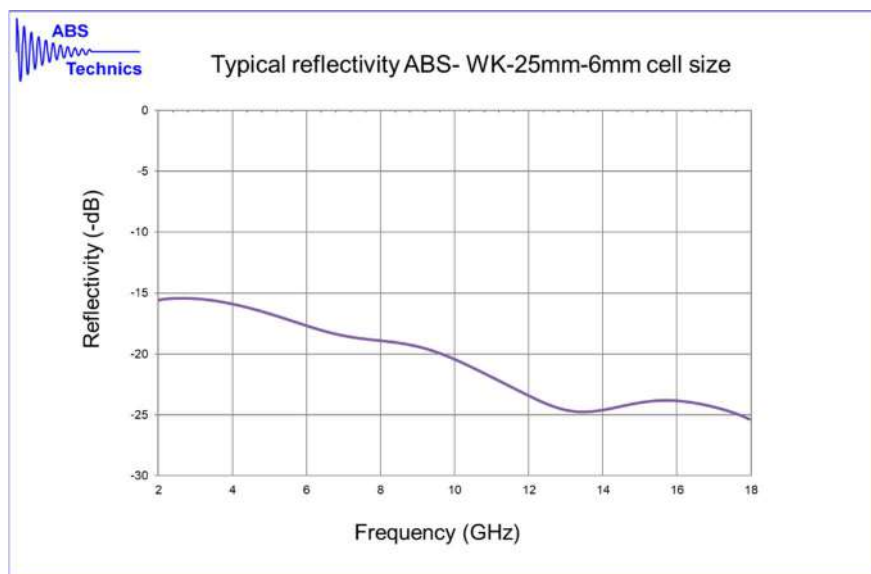
Broadband microwave honeycomb absorber

ABS-WK is a flat sheet broadband microwave absorber. Due to the hexagonal open cell structure the material has high mechanical strength. The tubular shapes are coated with a gradient of conductive absorber coating to obtain its microwave absorber properties. Its mechanical strength and light weight makes the material an ideal product for airborne applications. With or without ventilation the material is also often used for high power applications.

Applications :

- ABS-WK sheets are used in low weight structures, typically on airborne applications
- The material is also used on low frequency spiral antennas systems to improve back lobe radiation.
- Due to its open cell structure the sheet material can be integrated into a laminated system.
- High power microwave absorber wall and structures.

Specifications :

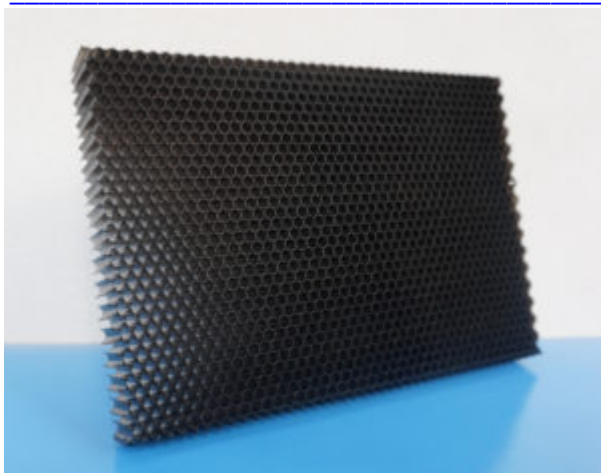


ABS-WK is always used installed to a metal backside, this can be a metal plate or a conductive foil. Reflectivity level is also measured in metal backed condition.

Properties :

- Hexagonal cell size : 1/4" or 1/8"
- Max. service temperature = 110°C

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**Availability :**

Standard sheet sizes are 305 x 305mm.

Two different thicknesses are available 13 and 25mm, both in cell size 3 or 6mm.

For specific applications the sheet material can also be supplied in different sizes and shapes.

Due to its rigid structure the material is difficult to bend.

Supplied by:
www.hitek-ltd.co.uk
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