

ABS-HLE

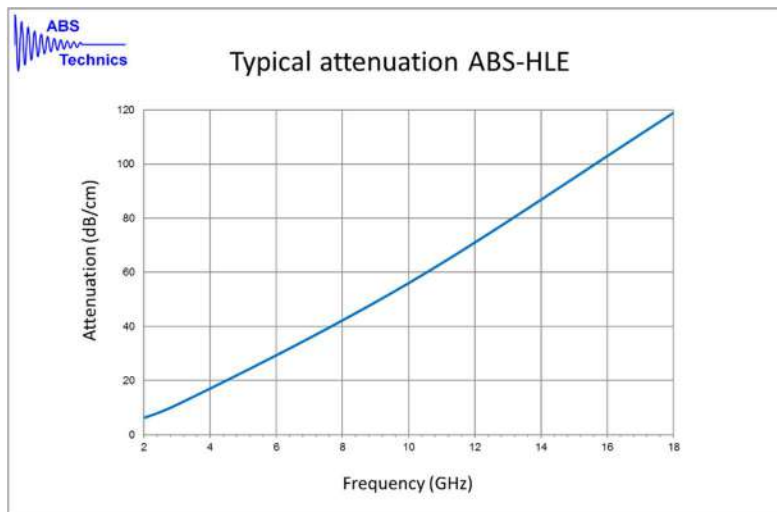
Thin flexible microwave elastomer absorber

ABS-HLE is a thin urethane absorber with high loss properties. The absorber material is a non-conductive urethane based material designed for the suppression of surface currents and cavity resonance applications in the higher frequency range. The urethane based material is easy in bonding. For harsh environments and high temperature applications also the silicone based ABS-HLSE can be applied.

Applications :

- Lining cavities typically to suppress standing waves and surface currents, the material is not designed nor intended to be used in reflectivity mode.
- ABS-HLE is typically installed in applications above 4 GHz.
- High frequency sensor systems, LNB's, waveguides, amplifiers, oscillators are often equipped with ABS-HLE to improve RF-stability.

Specifications :



Properties :

- Frequency range : > 4 GHz
- Hardness : 80 Shore A
- Maximum service temperature : -40°C up to 120°C.

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Availability :

Standard outside dimensions are 305x305mm available thickness is 0.5mm..

Also customer specific thicknesses, sizes and shapes can be produced to suite the available space in the applications..

The urethane version assures a good and easy bonding process using self-adhesive tape.

By itself the material has very high mechanical strength and excellent abrasion resistance.

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