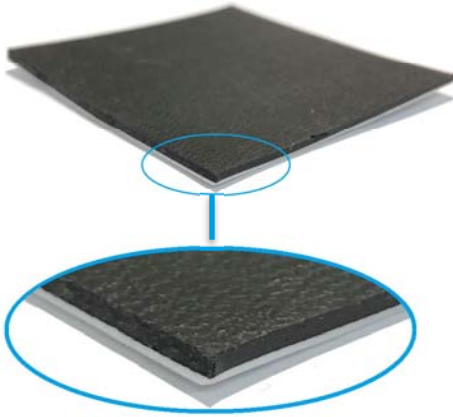


## Hybrid Flexible Dielectric and Absorber System

### ABSORBER / LOW LOSS DIELECTRIC HYBRID MATERIAL:

Kzorb is a hybrid family of products consisting of a flexible dielectric silicone layer and a flexible microwave absorbing layer. This system provides RF and microwave insulation combined with RF and microwave absorbing function. The dielectric layer provides the spacing required to minimize absorber affects at the surface level and provides electrical insulation.



Complex shapes can be die cut or water jet system and parts can be applied to three dimensional curved surfaces with integrated adhesive system.

### FEATURES AND BENEFITS

- Several absorber types and thicknesses possible
- Several dielectric constants possible
- Mechanically flexible
- Excellent thermal and electrical insulation and stability
- It can be used for commercial, telecom, 5G and defense security
- Kzorb can be applied on PCB and chip surfaces without effect on signal integrity.

TYPICAL PROPERTIES	DATA
Thickness	1.0 – 4.0mm total
Dielectric Constant (FlexK LoK)	1.7
Effective Frequency Range	60 Hz to 40 GHz
Density (FlexK LoK/BSR-1)	0.55/4.46 g/cc
Temperature Range	-54°C to 170°C
Dissipation Factor (FlexK LoK) @ 1KHz	0.003
Dielectric Strength kV/mm	1.0
Attenuation (BSR-1 dB/cm)	50 @ 10GHz / 80 @ 20GHz
Outgassing (TML/CVCM)	0.84%/0.11%
Color	White and Black
REACH Compliant	Yes
RoHS Compliant	Yes

[Additional properties on FlexK and BSR datasheets](#)