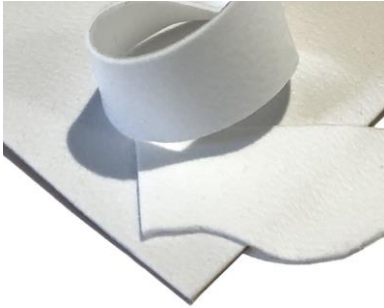


Low Loss, Low dK Silicone for Demanding 5G Applications



LOW LOSS, LOW DK SILICONE MATERIAL

FlexK-LoK 5G is a specialty material designed to provide excellent electrical isolation and to minimize any electrical effect on signal impedance or antenna performance. FlexK-LoK 5G is a preferred solution to meet the increased demands of 5G systems and devices.

Additionally FlexK-LoK 5G material offers the increased benefits of higher temperature stability compared to other low loss flexible materials, lower moisture sensitivity and lower weight of the alternatives. Converting or applying FlexK-LoK 5G is quite easy which makes it a friendly material.



FEATURES AND BENEFITS

- Low dielectric constant
- Light weight and flexible
- Excellent thermal insulation and stability
- Excellent 5G feature alignment

APPLICATIONS

- Antenna mounting / spacing
- Radome
- Device separation
- Low dK seals
- Microwave absorber mounting

SPECIFICATION

TYPICAL PROPERTIES	DATA
Thickness Range (mm +/- 15%)	0.25 – 1.0
Color	White
Dielectric Constant	1.7 +/- 5%
Dissipation Factor @ 1KHz	0.002
Dielectric Strength	102 V/mil (4 KV/mm)
Density	0.55g/cc
Elongation	10%
Tensile Strength	135 PSI minimum
Deflection	15% @ 100 PSI
Compression Set 23C, 22H / 100C, 70H	10% / 30%
Thermal Conductivity	0.11 W/mK
Temperature Range	-70°C to 177°C
Water Absorption	1.1 (% gain in 24h @ 70°F)
Outgassing ASTM E595-15	0.84% TML, 0.11% CVM
RoHS / REACH (EU Regulation)	Compliant
Effective Frequency Range	60 Hz to 10 GHz

USA: +1.866.928.8181

Europe: +49.8031.24600

Asia: +86.755.2714.1166

www.lairdtech.com



DS-FlexK-LoK 5G 070118

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FlexK-LoK 5G

Low Loss, Low dK Silicone for Demanding 5G Applications

FLEXK-LOK 5G'S DIVERSE APPLICATIONS

- Outdoor applications / flexible radome
- Antenna mounting spacer in small electronics
- Electrical separation of components maintaining spacing
- Microwave absorber separation for PCF absorber applications
- Thin dielectric spacer

AVAILABILITY OF SIZES AND SAMPLES

Standard FlexK-LoK 5G sheet sizes:

- 280170025G 0.010"x12.0"x12.0"
- 280170045G 0.020"x12.0"x12.0"
- 280170085G 0.030"x12.0"x12.0"
- 280170065G 0.040"x12.0"x12.0"

Standard FlexK-LoK 5G Samples:

- 981006015G 0.010"x4.0"x4.0"
- 981006025G 0.020"x4.0"x4.0"
- 981006035G 0.030"x4.0"x4.0"
- 981006045G 0.040"x4.0"x4.0"

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