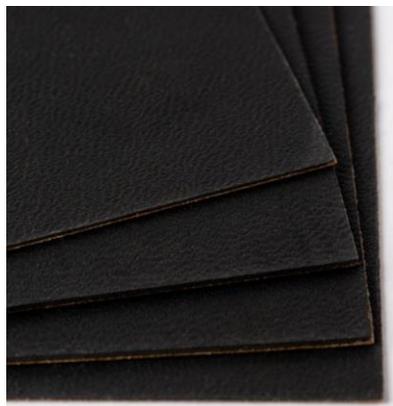


Next Generation High Frequency Elastomeric Absorber



LAIRD™ ECCOSORB™ JCS-NEXT

Eccosorb™ JCS-Next is a dielectrically loaded silicone absorber, targeting high frequency noise above 30 GHz. The proprietary filler system is more than 2 times as effective as traditional dielectric or carbon filler systems. Eccosorb™ JCS-Next is waterproof, works well in both high and low temperatures and meets the requirements for UL 94V-0 rating. The material does not flake or shed and can be die cut to complex shapes.

FEATURES AND BENEFITS

- Very high dielectric loss
- Excellent EMI suppression for high frequency applications
- Low density
- Flexible
- Dust free
- UL 94V-0 capable
- REACH and ROHS compliant

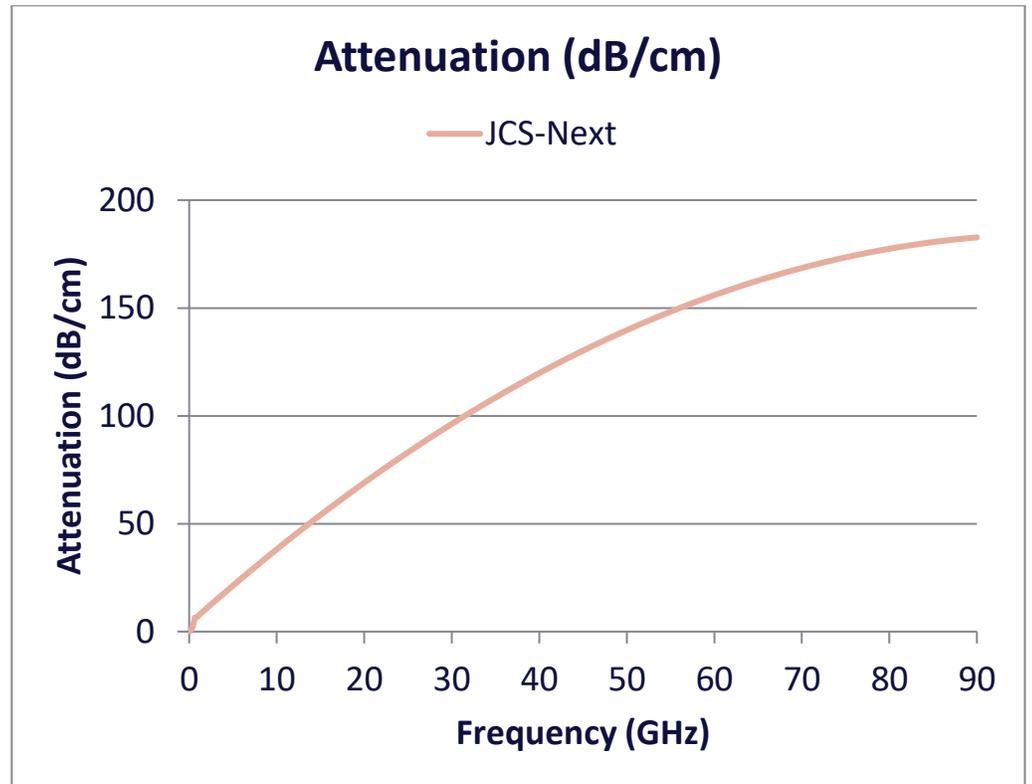
MARKETS

- Telecom/Datacom: 5G mmWave
- Automotive Radar 60 GHz; 76-81 GHz
- Wireless connectivity 60 GHz communication
- Military Applications
- Industrial

PRODUCT PROPERTIES	TYPICAL VALUES	TEST METHOD
Color	Black	Visual
Frequency Range	30 – 90+ GHz	
Service Temperature	-70 to 177°C	
Available Thickness Range	0.25 to 3mm	
Thickness Tolerance	+/- 10%	
Hardness 30 seconds	70 +/- 10	Shore A
UL Flammability	UL94 V-0 (pending)	UL

EM-ENXL-DS-10052022

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AVAILABILITY

- Standard sheet size is 305 mm x 305 mm (12" X 12")
- Thickness availability range is 0.25 mm – 3.0 mm (0.010" – 0.120"); PSA not included in thickness
- Available with and without Pressure Sensitive Adhesive, PSA (Laird™ SS6M; 0.0045" thick)
- Common standards for thickness are: 0.25, 0.5, 0.75, 1.0, 1.5, 2.0, 2.5, 3.0 mm
- No charge samples are available in 101.6 mm x 101.6 mm (4" X 4") size

Laird Performance Materials

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APPLICATIONS

- Eccosorb™ JCS-Next is used to lower cavity Q's at frequencies in the millimeter wave range in amplifiers, oscillators, cabinets containing microwave devices, computer housings, LNB's, and isolation of antennas by insertion loss
- Eccosorb™ JCS-Next is also used to reduce surface currents on radiating elements and outer ground-plane type surfaces in the millimeter wave range.

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