SoftZorb MCS Data Sheet

Soft Version of EccoSorb MCS Absorbers



SOFTZORB MCS

SoftZorb MCS is a softer entry within Laird's standard EccoSorb MCS product line. This softer material offers lower deflection for use in cavities whenever a lid may potential contact with and compress the absorber causing possible damage to other components. In addition, Softzorb MCS' ability to more thoroughly fill the cavity greatly increases absorber performance by limiting leakage around the absorber.

Softzorb MCS is designed for the frequency range from 800 MHz to 18 GHz.

FEATURES AND BENEFITS

- Useful in challenging compact and high tolerances stack up applications
- Conformable for optimum cavity fill
- Antenna applications minimize reflections in transmission lines
- High power performance and high magnetic loss
- Can be used in commercial Datacom equipment such as optical transceiver cavities where space is at a premium and superior absorbing capabilities are required

MARKETS

- Datacom/Telecom
- Industrial
- Consumer
- Automotive

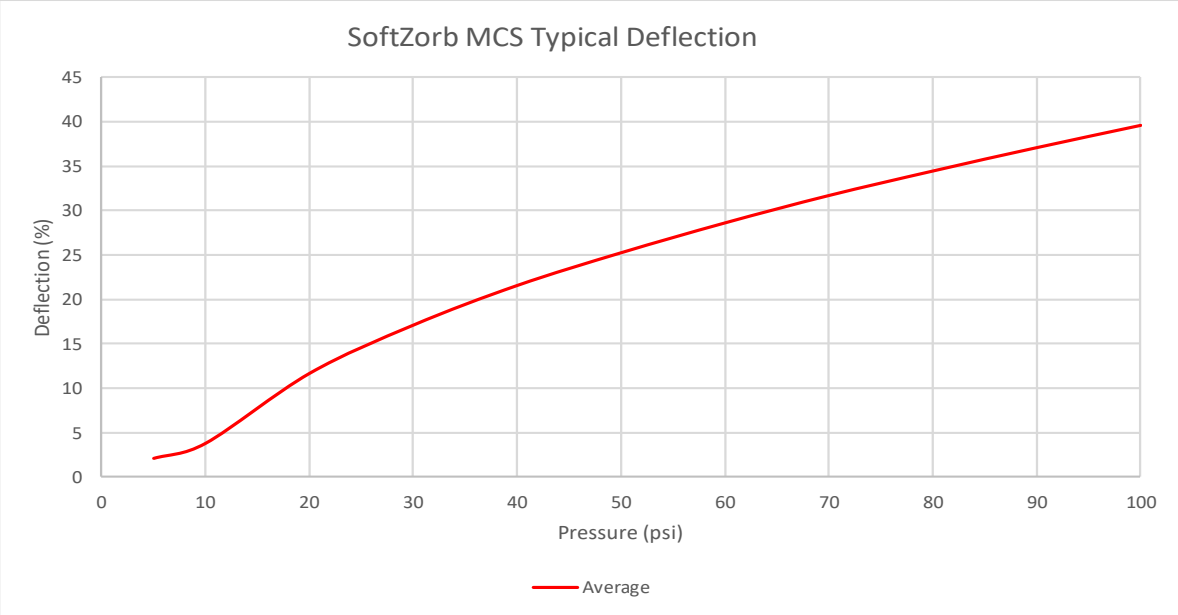
SPECIFICATIONS

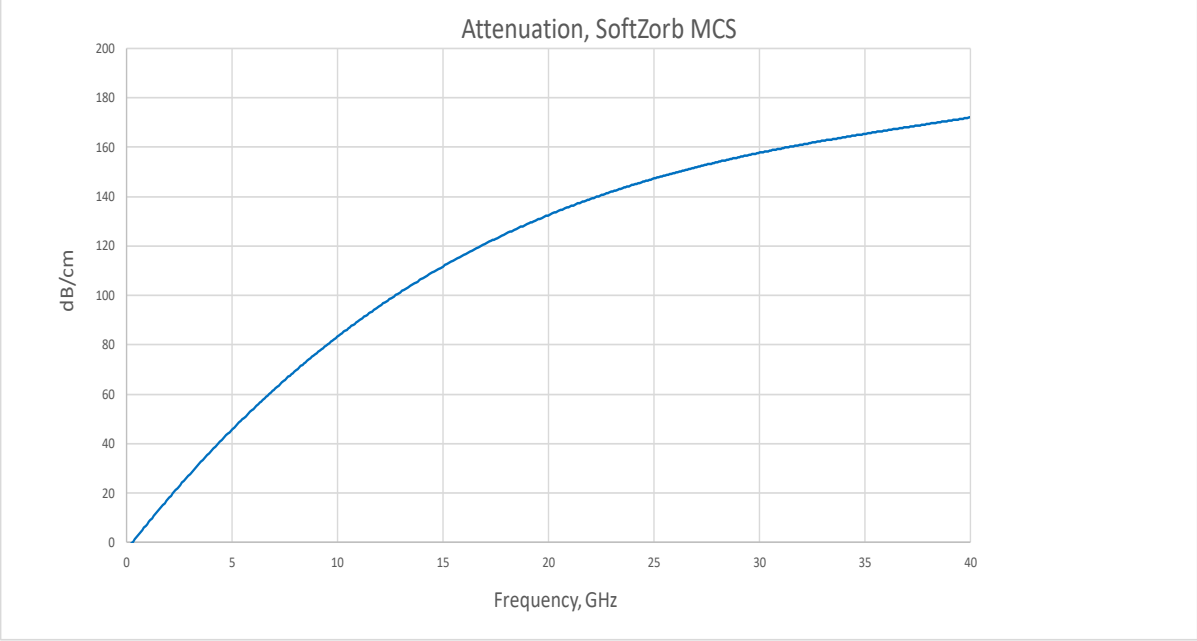
TYPICAL PROPERTIES	DATA
Color	Dark Grey
Density (g/cc)	4.2
Effective Frequency Range	800 MHz to 18 GHz
Hardness (Shore 00)	65
Deflection (%)	>20 @ 50 psi
Volume Resistivity (Ohm-cm)	6.05×10^{12}
Dielectric Strength (V/mil)	4 V/ mil
Temperature Range	-70°C to 177°C
Thermal Conductivity	1.4 W/mK
UL94-V0	Pending
Thickness Tolerance	10%

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