

6520 Broadband Microwave Absorber Fabric Material



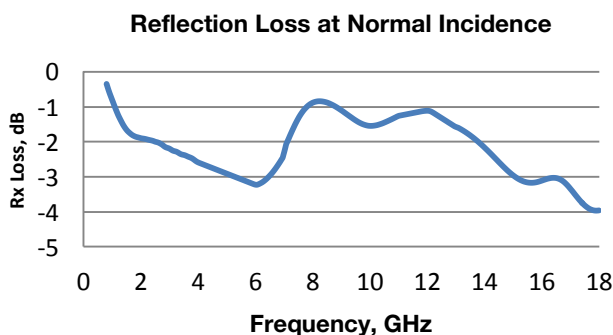
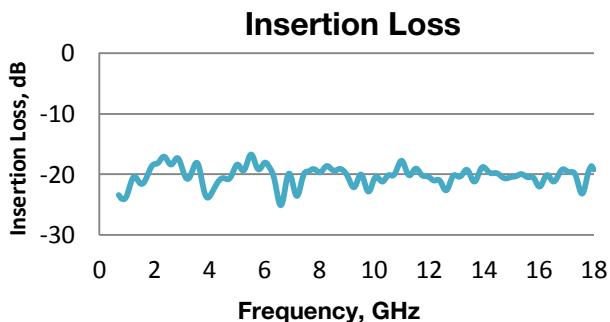
Product Summary

6520 broad band microwave absorber fabric material performs in a range from 1 GHz to 18 GHz and is non-conductive, corrosion resistant, and RoHS Compliant. Available with or without an adhesive backing.

Product Application

The 6520 material is a thin, very lightweight, flexible, low-cost, RF-absorbing fabric that is used for EMI shielding and noise suppression. The dielectric absorbing material reduces reflections and damps electronic cavity resonances, thus reducing EMI emissions and crosstalk in electronic devices. It is also useful for adjusting antenna side lobes. This new broadband absorber meets UL94 V-0 flame-resistance requirements and is available in full-width (60") rolls up to 25 yds long or die-cut to shape (with or without adhesive).

Technical Specifications



Typical Properties and Features

- Weight: <math>< 0.1 \text{ lb/ft}^2</math>
- Nominal Thickness: 0.20" (0.5 mm)
- Contact Surface Resistance: > 1M Ω/\square
- Avg. Impedance 700 MHz to 18 GHz: 20 Ω
- Tensile Strength: > 51 lb/in (>450 N/5cm)
- Elongation at break: 40-45%
- Tear Resistance: 2.7 lb (12 N)
- Flame Resistance: UL 94VTM-0/94V-0
- Service Temperature: -30 to 80°C
- RoHS Compliant
- Available in continuous lengths

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