

## Product Description

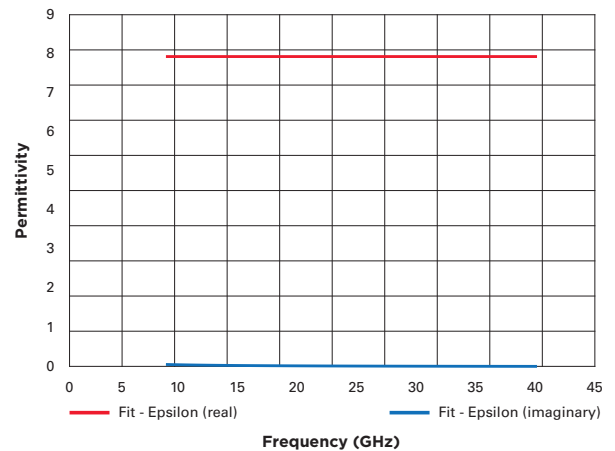
Custom engineered material for use in noise, shock and vibration control in applications requiring electromagnetic absorbing performance and suppression of radiated electrical noise. ISOLOSS SLX-35300 damped material contains fine iron as filler loaded into polymer.



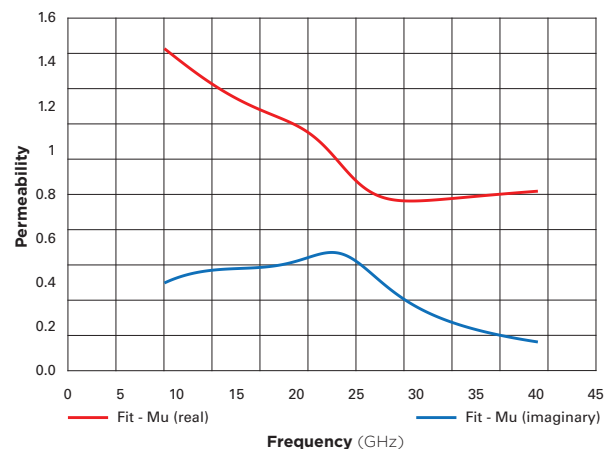
| TYPICAL PROPERTIES                                 | SLX-35300                                     |
|--|---|
| <b>Hardness</b> ASTM D2240, (Type A)               |   |
| 5 Sec  | 30  |
| 15 Sec   | 28  |
| <b>Peak Tan Delta</b>                              | 1.29  |
| <b>Peak Tan Delta Temp</b> °C                      | -10.6   |
| <b>Specific Gravity</b> (g/cc)                     | 2.19  |
| <b>Tensile Strength</b> ASTM D412 (psi)            | 533   |
| <b>Elongation</b> ASTM D-412 (%)                   | 269   |
| <b>Tear C</b> ASTM D-624 (ppi)                     | 58.4  |
| <b>Compression Set</b>                             |   |
| 25%/70 hrs/20°C                                    | 8%  |
| 25%/70 hrs/70°C                                    | 13%   |
| <b>Tensile Strength PPI, ASTM D412</b>             |   |
| <b>100% Tensile Mod</b> ASTM D-412 (ppi)           | 93  |
| <b>200% Tensile Mod</b> ASTM D-412 (ppi)           | 157   |
| <b>300% Tensile Mod</b> ASTM D-412 (ppi)           | 243   |
| <b>400% Tensile Mod</b> ASTM D-412 (ppi)           | 355   |
| <b>Compression Force Deflection PSI, ASTM D575</b> |   |
| <b>CFD @ 10%</b> ASTM D-575 (psi)                  | 25.4  |
| <b>CFD @ 20%</b> ASTM D-575 (psi)                  | 50.6  |
| <b>Surface Resistivity</b> (ohms/square)           | 3.07E + 15 ohms per square                    |
| <b>Volume Resistivity</b> (ohms/cm), 1/8" sheet    | 1.1E + 12 ohms @ 10V<br>1.5E + 12 ohms @ 100V |
| <b>Flammability</b><br>UL94                        | Meets HB                                      |
| <b>RoHS Directive 2015/863/EU Compliant</b>        | Yes   |
| <b>Halogen-Free*</b>                               | Yes   |

\*Halogen-Free per IEC 61249-2-21

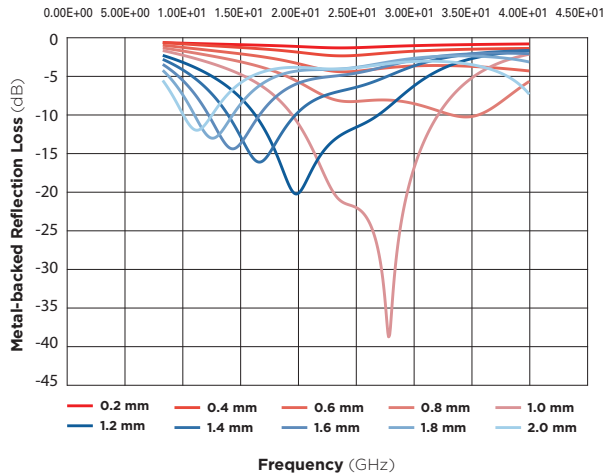
**ELECTRICAL PERMITTIVITY OF SLX-35300**  
1/8" SHEETS



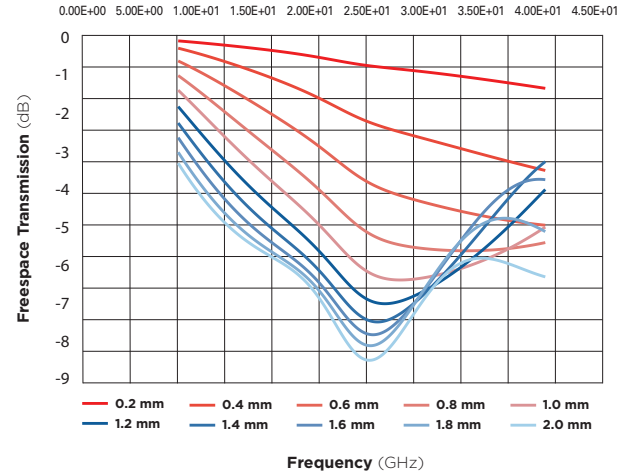
**MAGNETIC PERMEABILITY OF SLX-35300**  
1/8" SHEETS



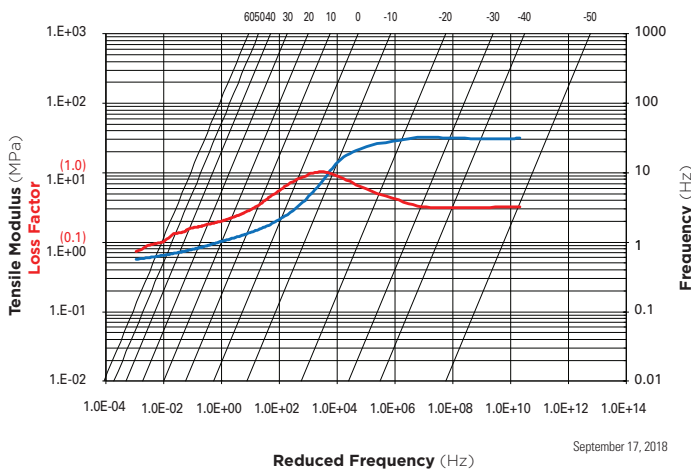
**RADAR REFLECTION AT DIFFERENT THICKNESSES**



**FREESPACE TRANSMISSION**



**ISOLOSS SLX-35300**



**Technical Information**

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