

### Product Description

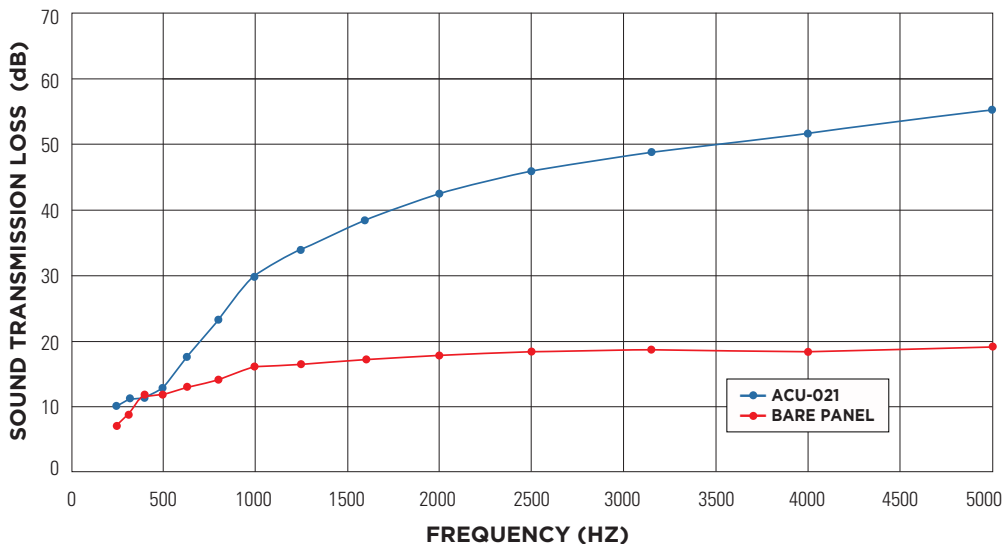
E-A-R's new addition to our carpet pad family is a combination of two engineered aerospace technologies: 3M™ Thinsulate™ AV-700 acoustic insulation and E-A-R QL Damping Barrier. This combination creates a superior acoustic material for a quieter, more enjoyable experience than traditional carpet padding options. Its high sound transmission loss, low water absorption and light weighting make it the perfect choice for aircraft carpet padding.

- Reduces system noise
- Controls thermal loss
- Reduces vibration

TYPICAL PROPERTIES	ACU-021
<b>Product Layers</b> Top Middle	QL Damping Material 3M™ Thinsulate™ AV-700 Insulation
<b>Weight Nominal lb/ft² (kg/m²)</b>	0.37 (1.8)
<b>Flammability</b> FAR 25.853a, Appendix F Part 1 (a) (1) (ii) - 12 Second Vertical	Pass
<b>Compression Set (%)</b> ASTM D1056 @ 70°C x 30 minutes	3
<b>Humidity Absorption (% Change)*</b>	0.6
<b>Thermal Conductivity at 20°C</b> BTU in/hr ft² F/(W/mK)	0.035 (0.24)
<b>EU REACH Regulation Article 57</b> SVHC effective June 2020	Pass
<b>Fungal Resistance ASTM G21</b>	Pass

\* In-house Test Method

The above technical information and data should be considered representative or typical only and should not be used for specification purposes.



**Technical Information**

The data listed in this data sheet are typical or average values based on tests conducted by independent laboratories or by the manufacturer. They are indicative only of the results obtained in such tests and should not be considered as guaranteed maximums or minimums. Materials must be tested under actual service to determine their suitability for a particular purpose.

**Warranty, Limited Remedy, and Disclaimer**

Unless an additional warranty is specifically stated on the applicable Aearo Technologies product packaging or product literature, Aearo Technologies warrants that each Aearo Technologies product meets the applicable Aearo Technologies product specification at the time Aearo Technologies ships the product. Aearo Technologies MAKES NO OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY IMPLIED WARRANTY OR CONDITION ARISING OUT OF A COURSE OF DEALING, CUSTOM OR USAGE OF TRADE. If the Aearo Technologies product does not conform to this warranty, then the sole and exclusive remedy is, at Aearo Technologies's option, replacement of the Aearo Technologies product or refund of the purchase price.

**Limitation of Liability**

Except where prohibited by law, Aearo Technologies will not be liable for any loss or damage arising from the Aearo Technologies product, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted, including warranty, contract, negligence or strict liability.