

## Damping Materials

ISODAMP™ damping materials offer practical, effective solutions for impact noise and structureborne vibration. The broad range of ISODAMP damping materials affords high-performance vibration control under diverse physical, temperature and environmental conditions.

- Choices available for discrete thickness and temperature conditions
- Available for extensional, composite and constrained-layer systems
- Available as custom designed parts, both with and without pressure-sensitive adhesive backing

TYPICAL PROPERTIES				
PROPERTY	SD	C-2003	C-2206	NV-7500S
<b>Density Nominal kg/m<sup>3</sup> (lb/ft<sup>3</sup>)</b> ASTM D792	1682 (105)	1714 (107)	1682 (105)	1842 (115)
<b>Flammability</b> UL 94 FMVSS-302 Canadian Stds. Assoc. (CSA)	Listed V-0 Meets Listed 0.6 V-0	Listed HB Meets Listed 0.6 HB	Listed V-0 Meets Listed 0.6 V-0	Listed V-0 Meets
<b>System Loss Factor at 1000 Hz on 62 mil Aluminum</b> Thickness mm (in) ASTM E756-93	1.02 (.040)	1.27 (.050)	0.76 (.033)	1.90 (.075)
@ 0C (32F)	.064	.072	.062	.087
@ 10C (50F)	.105	.130	.096	.235
@ 20C (68F)	.143	.140	.115	.174
@ 30C (86F)	.110	.084	.087	.110
<b>Tensile Strength kPa (psi)</b> ASTM D638	8798 (1276)	11008 (1597)	9632 (1397)	8966 (1300)
<b>Tear Strength kN/m (lbf/in)</b> ASTM D1004-93	51 (292)	44 (252)	58 (332)	37 (211)
<b>Temperature Range C (F)</b> With Loss Factor > 0.3 ASTM D4065, (14F to 140F) Shear Mode 10Hz	-18C to 71C (0F to 160F)	0C to 52C (32F to 125F)	-18 C to 71C (0F to 160F)	-10C to 60C (14F to 140F)
Recommended Max. Intermittent	107C (225F)	107C (225F)	107C (225F)	125C (257F)
<b>RoHS Compliant</b>	Yes	Yes	Yes	Yes

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 and Limited Remedy:** Aearo Technologies LLC warrants that each Aearo Technologies LLC product meets the applicable Aearo Technologies LLC product specification at the time Aearo Technologies LLC ships the product. Aearo Technologies LLC MAKES NO OTHER EXPRESS OR IMPLIED WARRANTIES OR CONDITIONS, INCLUDING ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. If the Aearo Technologies LLC product does not conform to this warranty, the sole and exclusive remedy is, at Aearo Technologies LLC's option, replacement of the Aearo Technologies LLC product or refund of the purchase price.

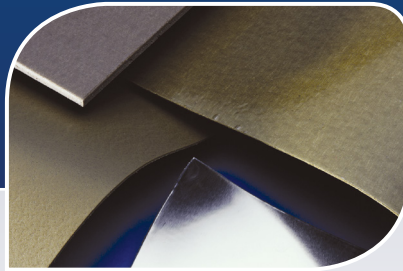
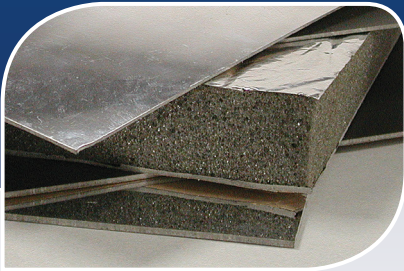
**Limitation of Liability:** Except where prohibited by law, Aearo Technologies LLC will not be liable for any loss or damage arising from the Aearo Technologies LLC product, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted.





## DAMPING MATERIALS

Material Summary Sheet 4



**Offering solutions for a wide range of applications such as...**

Office equipment

Heavy equipment

Appliances

Commercial vehicles