

**Product Description**

ADC-11512 is a high-performing aircraft damping composite for structural applications. This composite is specifically engineered for fuselage damping at temperatures below -5°C.

TYPICAL PROPERTIES	ADC-11512
Nominal Thickness, inch	0.13
Nominal Weight, lb/ft <sup>2</sup>	0.48
Optimal Temperature Performance Range, °C	-40° to -5°
Chemical Resistance, weight gain (%) after 24 hours per ASTM D543	
Deionized Water	0.7
Skydrol® Hydraulic Fluid	13.8
Ardrox® AV 30 Corrosion Inhibitor	8.7
Flammability	
FAR 25.853(a) Appendix F Part I (a) (1) (ii) 12 sec.	Passes
FAR 25.856(a) Appendix F Part VI	Passes
Durability, RTCA DO-160G	
High Temperature 100 hours at 90°C	Survives
Temperature Variation, 100 cycles between -40° and 70°C	Survives

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

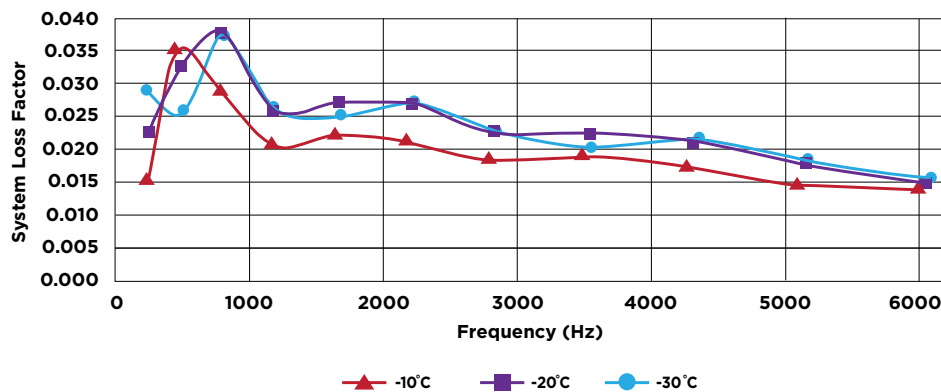
**THERMAL CONDUCTIVITY, ASTM C518**

TEMPERATURE (°C)	K - value (W/m°K)
-40	0.053
-30	0.057
-20	0.060
-10	0.064
0	0.068
10	0.072
20	0.075
30	0.052
40	0.083

Calculated values from linear regression of measured data between 0° and 40°C.

Values between -10° and -40°C are extrapolated.

**40% Coverage ADC-11512 on 0.23" thick 2" x 24" Aluminum Bar**



**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.