



Product Description

ADC-1312 is a low surface weight, high-performing aircraft damping composite for structural applications. This composite is specifically engineered for fuselage and interior trim damping at temperatures between 10° and 30°C

TYPICAL PROPERTIES	ADC-1312
Nominal Thickness, inch	0.11
Nominal Weight, lb/ft ²	0.32
Optimal Temperature Performance Range, °C	10° to 30°
Chemical Resistance, weight gain (%) after 24 hrs per ASTM D543	
Deionized Water	2.6
Skydrol® Hydraulic Fluid	14
Ardrox® AV 30 Corrosion Inhibitor	7.8
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 D0-160G	
High Temperature 100 Hrs at 90°C	Survives
Temperature Variation, 100 cycles between -40° and 70°C	Survives

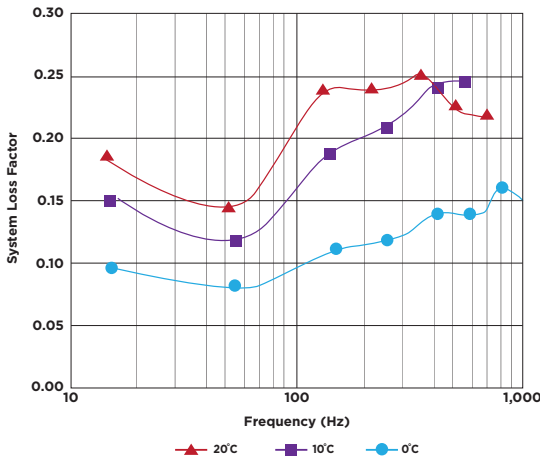
THERMAL CONDUCTIVITY, ASTM C518

TEMPERATURE (°C)	K - value (W/m ² K)
0	0.046
10	0.050
20	0.053
30	0.057
40	0.060
50	0.064
60	0.067
70	0.070

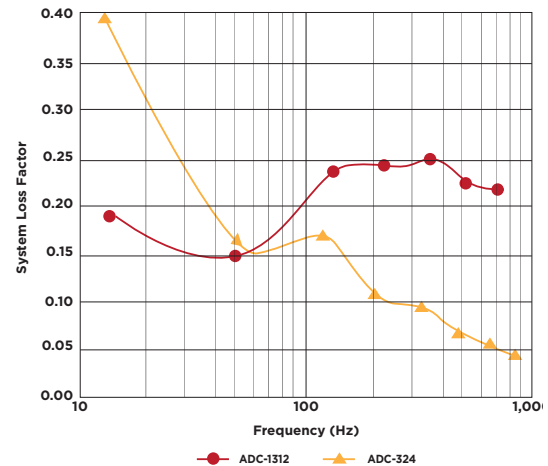
Calculated values from linear regression of measured data between 0° and 70°C.

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

40% Coverage ADC-1312 on 0.060" thick 3"x40" Aluminum Bar



40% Coverage ADC-1312 and ADC-324 at 20°C on 0.060" thick 3"x40" 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.

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