

Aircraft Damping Composite – ADC-11512

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 ²	0.48
Optimal Temperature Performance Range, °C	-40° to -5°
Chemical Resistance, weight gain (%) after 24 hours per ASTM D543 Deionized Water Skydrol® Hydraulic Fluid Ardrox® AV 30 Corrosion Inhibitor	0.7 13.8 8.7
Flammability FAR 25.853(a) Appendix F Part I (a) (1) (ii) 12 seconds vertical FAR 25.856(a) Appendix F Part VI Radiant panel	Passes Passes
Durability, RTCA D0-160G High Temperature 100 hours at 90°C Temperature Variation, 100 cycles between -40° and 70°C	Survives Survives

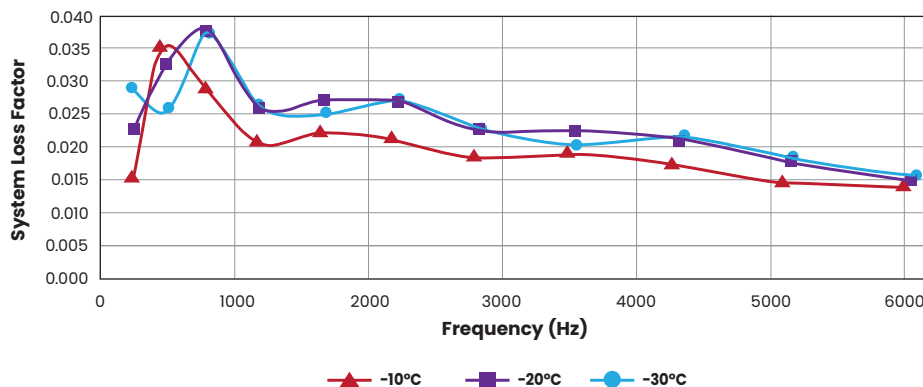
The above technical information and data should be considered representative or typical only and should not be used for specification purposes.

THERMAL CONDUCTIVITY, ASTM C518

TEMPERATURE (°C)	K-Value (W/m ² K)
-40	0.053
-30	0.057
-20	0.060
-10	0.064
0	0.068
10	0.072
20	0.075
30	0.079
40	0.083

Calculated values from linear regression of measured data between -5° and 40°C.

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.

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