

SOUNDPROOFING – INSULATION

E-A-R-COMPOSITE DAMPING FOAM



ADC-224 is a mid-temperature skin damping composite of 0.25" thick damping foam fixed with 0.005" thick aluminum foil and backed with pressure sensitive adhesive. Used in aircraft for weight efficient damping and to reduce radiated noise. Meets FAR 25.853 (A) for fire resistance. Furnished in 27" x 48" sheets.

P/N 09-00181 / sheet

3M™ SOUND & VIBRATION DAMPING PANELS



Designed for damping resonant vibrations of thin sheet metal, these panels are pressure sensitive, specially compounded polyurethane damping foam with an aluminum foil backing. The adhesive on the foam is protected by a peel-off paper covering. It is an excellent insulator for conducted heat and is an excellent heat reflector. Fire-resistant and self-extinguishing per FAA test procedure. Excellent moisture resistance. Resistant to most solvents. Easily applied with only hand pressure for a permanent bond even on rough, irregular surfaces. Used extensively in commercial aircraft and highly recommended for metal home builds. Apply to firewall, fuselage — anywhere a vibration problem exists. Wt. 4 oz./sq. ft., 1/4" thick. Meets FAR 25.853

3M Sound Damp Panel 6" x 48".....P/N 09-30206 ea.
3M Sound Damp Panel 12" x 48".....P/N 09-30212 ea.
3M Sound Damp Panel 18" x 48".....P/N 09-30218 ea.

TEFLON CHAFE TAPE



The T-300 is a Milky/Clear Teflon Chafe Tape that has an adhesive backing on one side. It is sold in a 1" x10' Package and is used between Aluminum Skins as a chafe tapeP/N 05-11196.....

TEFLON ANTI-CHAFE TAPE



ISD Chafe Tape is a durable Teflon material with a pressure sensitive adhesive which resists solvents, and oils. Designed specifically to prevent aluminum chafing between airframes and engine cowlings. It helps prevent black streaking on aircraft exterior due to cowl chafing. Not FAA/PMA approved. Operable temperature range: -100°F to +500°F. Width: 1". Roll length: 6 yds. Tkns: .012"P/N 09-31805...../roll

TEFLON COATED FIBERGLASS ANTI-CHAFE TAPE



These 1' wide rolls of Teflon on fiberglass anti-chafe tape are excellent for use on engine cowlings to keep cowl components from chafing. The tape is available in 5 mil thick and 10 mil thick and comes with a silicone adhesive on the tape. Just peel back liner and install. Rolls are 1" wide x 36 yds long.

5 Mil Anti-Chafe tapeP/N 05-01024/roll
10 Mil Anti-Chafe tapeP/N 05-01025/roll

UNI-WRAP SILICONE TAPE RUBBER SELF-BONDING TAPE



UniWrap silicone rubber sealing tape bonds to itself permanently to protect, repair, join, or insulate virtually any type of part on which ordinary tape can be used. But the big difference between UniWrap and ordinary tape is that it fuses to itself permanently to form a homogenous mass and provides unprecedented protection and insulating characteristics. UniWrap uses no adhesives so it is non-tacky. It has a 12 month shelf life and after fusing is unaffected by moisture, cold, heat, ozone shock, or vibration. Meets MIL-I-46852 Type II as well as strict aerospace industry performance requirements. Available in red or black. Furnished in 10 yard rolls, UniWrap is 1" wide and 0.020" thick UniWrap.

Red.....P/N 09-30450
Black.....P/N 09-05692.....

SUPER SOUNDPROOFING TAPE



This is a 1/8" thick by 2" wide self adhesive tape that can be placed on metal panels and wrapped around ducts to reduce vibration and reverberant noise transfer. Not FAA approved. 30 ft. rolls.

1" wideP/N 09-00381/ea.
2" wideP/N 09-42745/ea.
4" wideP/N 09-00433/roll

HOW TO SOUNDPROOF LIGHT AIRCRAFT



Sound measurement indicates that sometimes the noise levels are so high in some aircraft that damage to hearing over time can result. This "How-To" manual discusses the advanced techniques to sound proofing the light aircraft and drastically reducing such noise. Information presented is applicable to all types of planes from "puddle-jumpers" to jets.

P/N 09-42755FREE

SUPER SOUNDPROOFING SHEET WITHOUT ADHESIVE



This material is excellent for reducing noise levels in all types of certificated and home-built aircraft. It is a closed cell vinyl insulating material which will not absorb water or oil. Has fire retardant qualities and meets FAR 25.853a Appendix F, Pt1. It is smooth on one side for easy attachment to the inside cabin skins, sides, top and front firewall. Excellent for helicopters as well. Furnished in bulk 48" wide sheet, it is easily cut by scissors and attached with contact cement. Available in black only.

Note: this material is priced and sold per foot.

The Flammability Report (Burn Certs) are available on request.

Thickness	Wt. / Lineal ft.	Part Number	Price
1/4"	.60 lbs.	09-42720	.
3/8"	.80 lbs.	09-42723	.
1/2"	1.0 lbs.	09-42725	.
3/4"	1.4 lbs.	09-42727	.
1-1/2"	3.0 lbs.	09-72731	.
2"	4.0 lbs.	09-42760	.

SUPER SOUND PROOF WITH ADHESIVE



Super Soundproofing Foam Mat for noise control: A closed cell vinyl-nitrile noise control FOAM suitable for application to cars, boats, planes, home and office, anywhere a noise control mat is needed. Won't absorb moisture or odor, long lasting and durable. An excellent thermal insulator! (FAA Approved for aircraft, too!) Just apply with vinyl or contact cement to reduce and absorb sound. There may be small variances in the width of this product.

Note: this material is priced and sold per foot unless otherwise noted.

1/8" w/adhesive 36"X48" SheetP/N 09-06381
1/4" w/adhesive 36"X48" SheetP/N 09-06377
3/8" w/adhesiveP/N 09-00443
1/2" w/adhesiveP/N 09-00444
3/4" w/adhesiveP/N 09-01245
1" w/adhesiveP/N 09-01246
2" w/adhesiveP/N 09-01247

SEE THE ENGINE PARTS SECTION OF THE CATALOG FOR MORE INSULATION PRODUCTS!

WWW.AIRCRAFTSPRUCE.COM

Prices Subject to Change without Notice - Valid as of June 16, 2026.
Please view our website for current prices.