



We have one goal — improving the noise and vibration quality of our customers' products. Roush delivers innovative, effective noise and vibration control products and solutions. By combining advanced analysis capabilities, comprehensive engineering services, and state-of-the-art facilities, Roush has become a proven partner in identifying and resolving challenging noise and vibration issues. Backed by the diverse capabilities of the Roush family of companies, we are uniquely equipped to provide turnkey noise and vibration solutions.

Roush... your silent partner in developing smoother, quieter products.

Damping Adhesive — RA880

Product Description

RA880 is a viscoelastic, pressure sensitive adhesive formulated to have high damping and adhesion performance over a wide temperature and frequency range.

Features

RA880 damping adhesive offers superior damping performance over a wide temperature and frequency range with peak damping achieved from 60°F to 130°F for most applications. This material is specially processed to achieve cleaner outgassing properties over generic pressure sensitive adhesives.

Typical Physical Properties:

Adhesive Thickness.....	1, 2, 4, 5 mil adhesive and 4, 5, 6 mil composite construction
Release Liner.....	Available with variety of linear combinations
Peel Adhesion ¹ (ASTM D903).....	6.5 lb/in
Shear Adhesion ² (ASTM D3654).....	50 hrs
Water, Humidity and Solvent Resistance.....	Excellent
Temperature Range:	
Adhesion.....	For best results, adhesion should be performed above 50°F
Damping @ 1000 Hz.....	Excellent damping from -40°F to 140°F
Operating ³	-50°F to 200°F

Shelf Life: Two years when stored under cool, dry conditions out of direct sunlight (70°F, 50% RH)

- Note:** (1) Peel Adhesion on Stainless Steel/clear polyester film, modified for 72 hours dwell time.
 (2) Shear Adhesion test on clear polyester film, per method A (1 hr dwell, 1 in², 4 lb load).
 (3) Defines temperature range material can operate within. Above 200°F, material will soften and flow due to thermoplastic nature.



