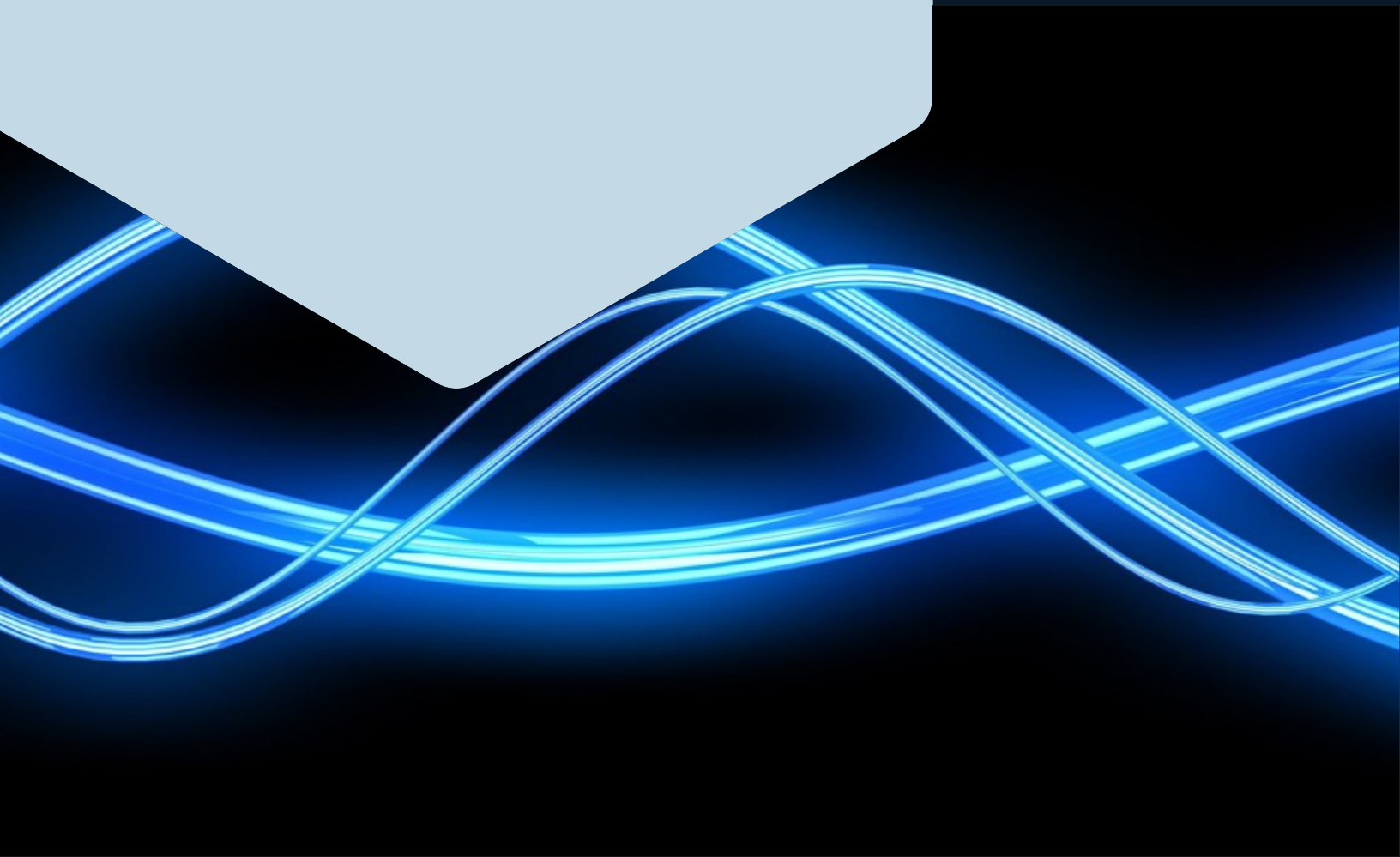
ROUSH®

DAMPING ADHESIVE — RA970

RA970 is a permanent pressure sensitive acrylic-based adhesive designed to have high damping performance over a wide temperature and frequency range.

www.roush.com

We're focused, we're efficient, and we're at our best when we're challenged to think outside the box — critical traits when our customers' success depends on how quickly we can take their visions from the sketchpad to the marketplace.



FEATURES:

RA970 damped viscoelastic adhesive offers superior damping performance over a wide temperature and frequency range with peak damping achieved from 20°F to 80°F for most applications. Among the family of Roush damping adhesives, RA970 is intended to work best for applications requiring damping at temperatures at or below room temperature.

RA970 is very stable, resistant to UV exposure and thermal aging, and will maintain consistent performance over a long product life. The material also possesses excellent tack properties for superior bonding.

TYPICAL PHYSICAL PROPERTIES:

Adhesive .....2.5 mil or custom
Release Liner.....Densified kraft liner
180° Peel Adhesion1 (ASTM D-3330 PSTC-1)..... 5.0 lbs/in minimum after 72 hrs. dwell @ R.T., or 15 minutes @ 150°F
Shear Adhesion1 @ 4 psi (PSTC-7).....60 hrs. minimum
Temperature Range:
Adhesion..... for best results, adhesion should be performed above 50°F
Damping @ 1000Hz ..... Excellent damping from 0°F to 100°F
Operating².....-40°F to 250°F
Water, Humidity and Solvent Resistance.....Excellent

SHELF LIFE:

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

Note:

(1) 180° Peel Adhesion and Shear Adhesion values for 2 mil adhesive samples.
(2) Defines temperature range material can operate within. Above 250°F, material will soften and flow due to thermoplastic nature.

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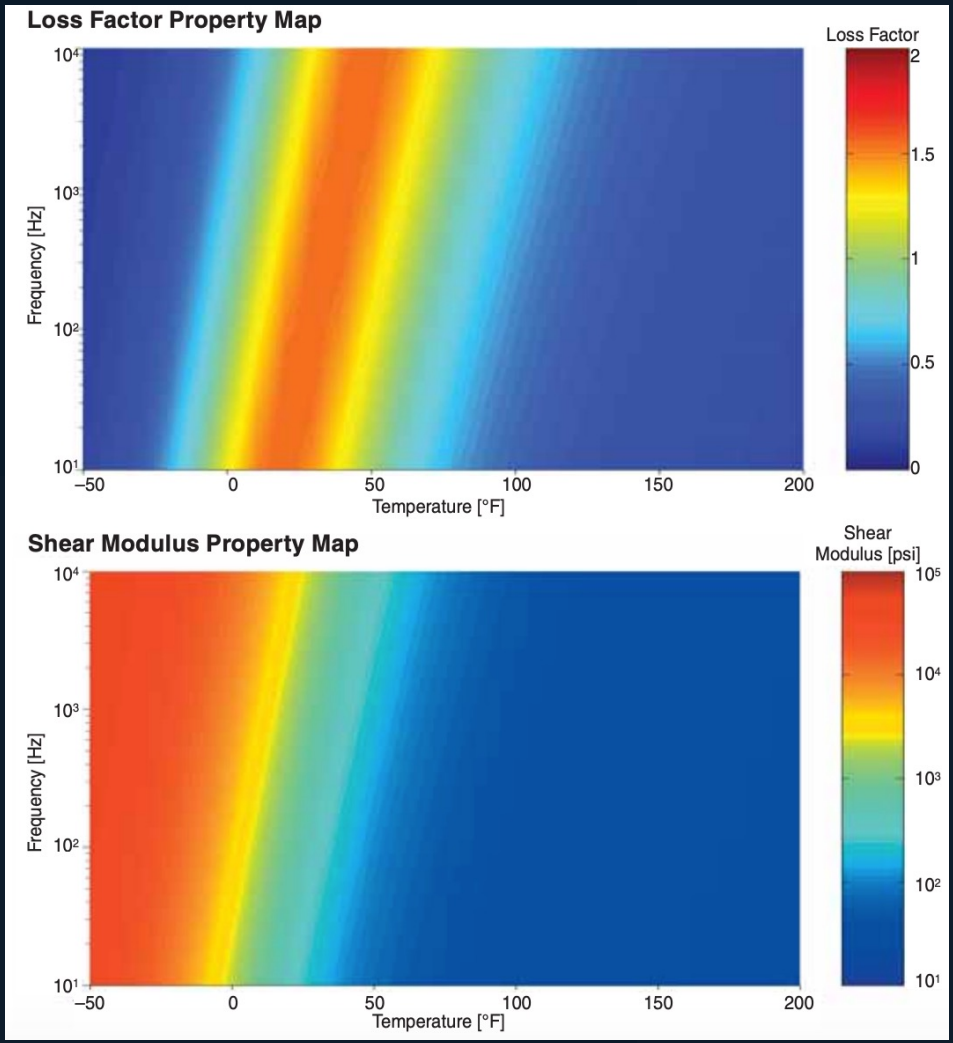
RA970 — DYNAMIC MATERIAL PROPERTIES (ASTM E756 Test Results)



FULL-SERVICE NOISE AND VIBRATION CONTROL SUPPORT

Let Roush assist you with your noise and vibration control activities. We offer a full range of design, engineering, testing, and manufacturing capabilities. As an alternative to this material, we can search our database of over 3,000 materials to identify other potential material solutions. Once selected, Roush uses design and analyses to optimize the configuration of the material for your specific application. Roush provides manufacturing operations to convert this material into a finished part that can be delivered to your specifications. Roush has many worldwide partners that provide a wide array of low-cost manufacturing processes with high quality production output.

Product Performance and Suitability: All information regarding the use of Roush products identified in this datasheet is believed to be reliable by Roush, but are not product specifications and must only be used as a guide. Roush does not represent or warrant that its products are fit for a particular purpose or that they do not infringe any U.S. or foreign patents. Purchaser must independently determine the suitability of the Roush products for their particular application. Unless written otherwise in Roush's Terms and Conditions of Sale for the product, this datasheet or any verbal statements made by any other distributor, salesman or representative about the product will not be deemed to create an express warranty of any kind.

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