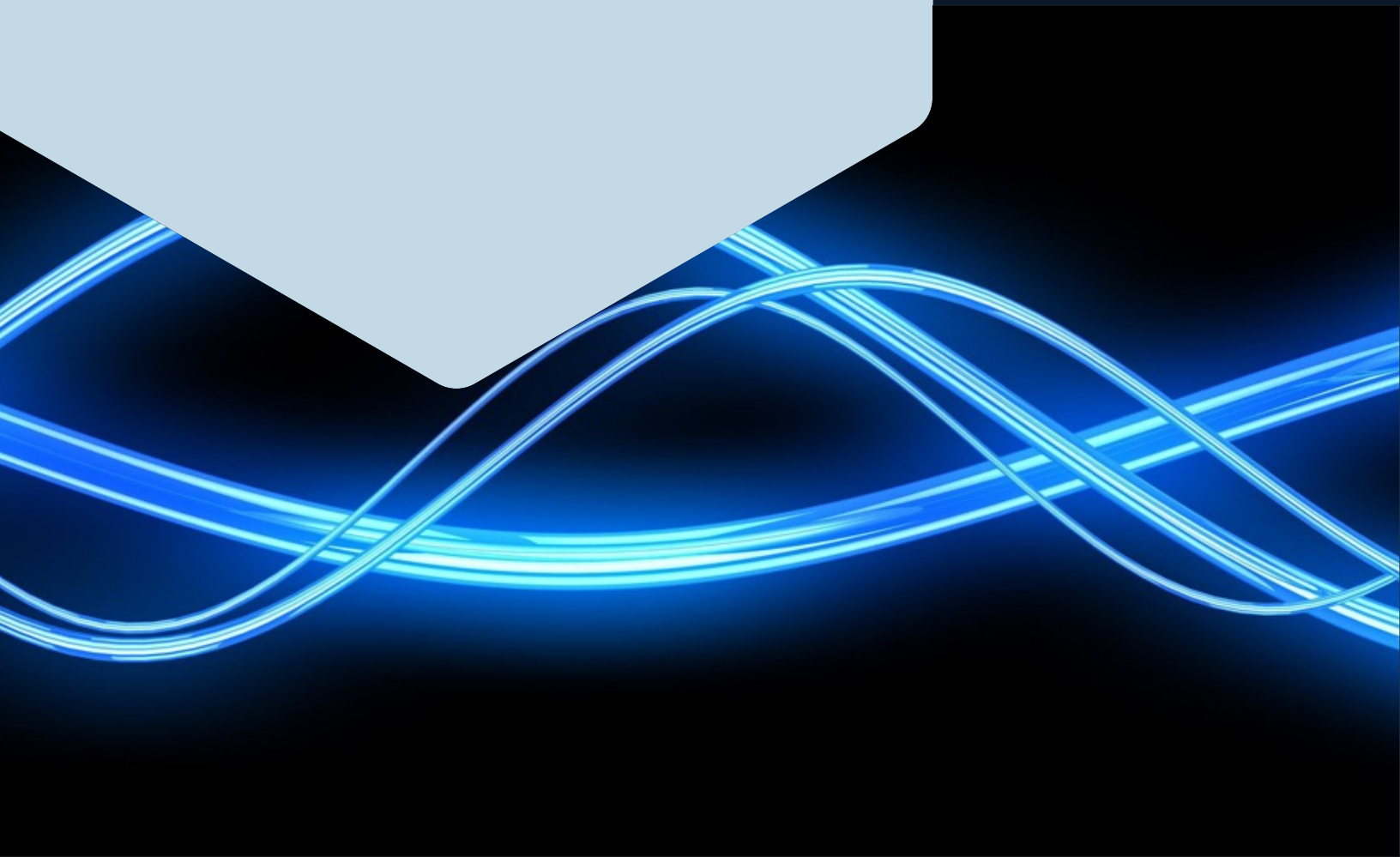
ROUSH®

DAMPING ADHESIVE — RA960

RA960 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:

RA960 damped viscoelastic adhesive offers superior damping performance over a wide temperature and frequency range with peak damping achieved from 60°F to 120°F for most applications. This makes RA960 ideal for use in the computer/hard disk drive industries, either as a laminate or constrained layer damping product. RA960 is very stable, resistant to UV exposure, thermal aging and creep/relaxation effects, and will maintain consistent performance over a long product life. RA960 is UL-94 recognized material.

TYPICAL PHYSICAL PROPERTIES:

Adhesive .....2 mil, 4 mil or custom
Release Liner.....Available with variety of linear combinations
180° Peel Adhesion1 (ASTM D3330 PSTC-1) ..... 4.0 lb/in minimum after 24 hrs. dwell @ R.T., or 15 minutes @ 150°F
Shear Adhesion1 @ 4 psi (PSTC-7).....50 hrs. minimum
Tack (ASTM D2979) ..... 990 (gm/sq. cm)
Temperature Range:
Adhesion..... for best results, adhesion should be performed above 50°F
Damping..... Excellent damping from 50°F to 150°F
Operating².....-40°F to 300°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 300°F, material will soften and flow due to thermoplastic nature.

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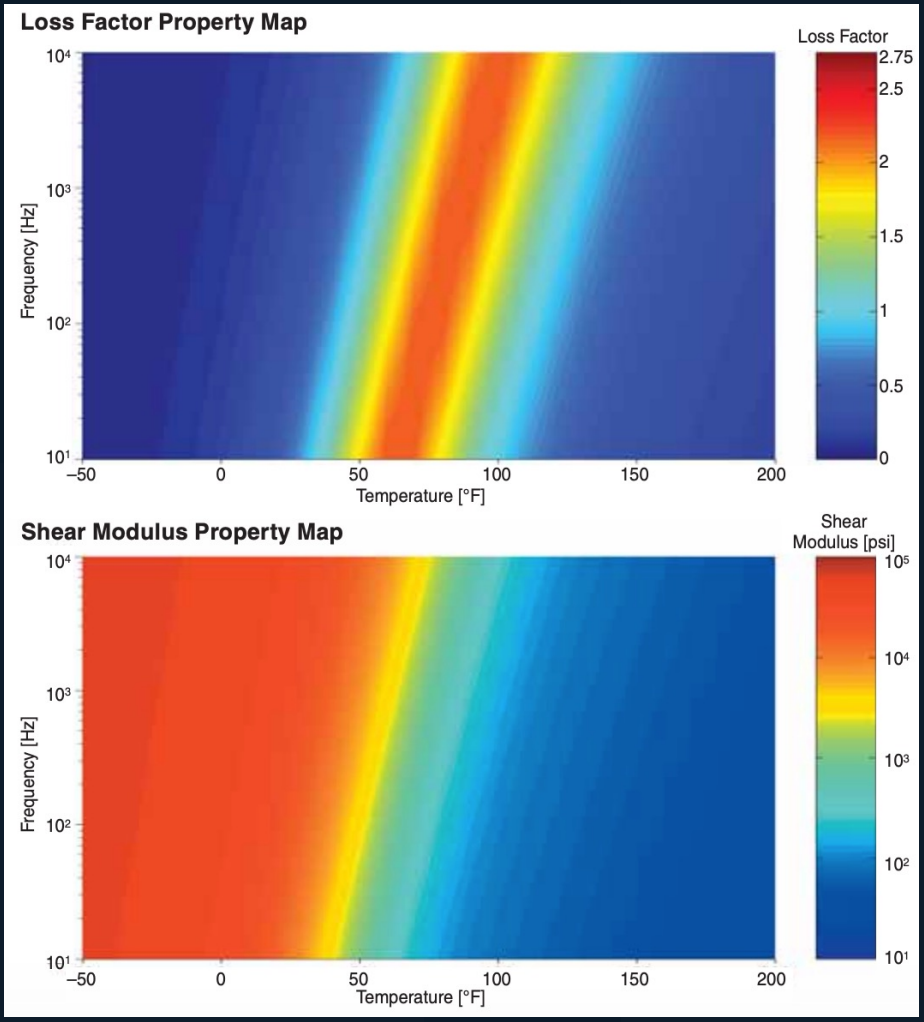
RA960 — DYNAMIC MATERIAL PROPERTIES (ASTM E756 Test Results)



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.

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