

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.

Laminated Metal — Dynalam™

Product Description

Dynalam™ is laminated metal engineered for stamped sheet metal applications where noise and vibration attenuation is desired. Product noise and vibration is often generated by the vibrating surfaces of stamped metal components. The Dynalam product has been designed to damp vibration before it is radiated as noise, and before it can be transmitted to other system components.

The Dynalam product is a sandwich composite consisting of two layers of a sheet metal alloy bonded with one of Roush's unique high-damping polymeric adhesive. The polymeric core creates a bond and damping property that produces noise and vibration controlling characteristics. The laminated product can be formed to create many varieties of stamped metal components.

Typical Applications

Dynalam metal can be used in applications where metal stampings are traditionally used.

Automotive

- Engine Covers
- Transmission Covers
- Body Panels

Office Equipment

- Cabinets
- Printers
- Hard Disk Drives

Home Appliance

- Dishwashers
- Washing Machines
- Refrigerators

Industrial

- Small Engine Covers
- Noise Shields
- Roofing Panels

Types of Sheet Metal Layers

Many other types of sheet metal layers can be manufactured using the Dynalam™ damping core in a variety of gauge thicknesses.

- Stainless Steel
- Hot and Cold-Rolled Steel
- Electrogalvanized Steel
- Hot-Dip Galvanized Steel
- Galvanneal Steel
- Aluminum

DYNALAM™



Roush. Your Silent Partner.



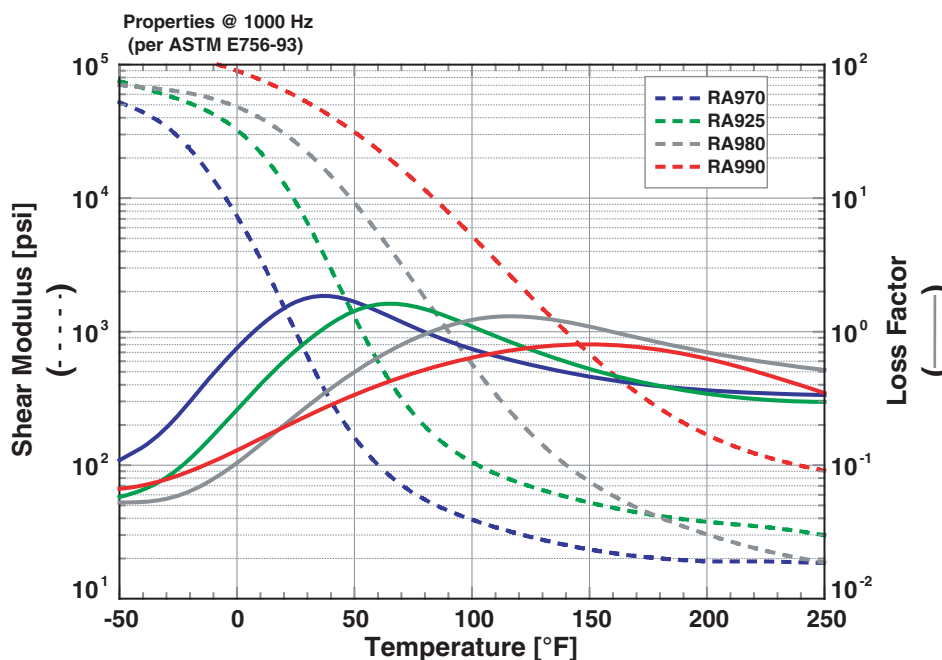
NOISE AND
VIBRATION
CONTROL
PRODUCTS

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Dynamic Material Properties of Roush Damping Adhesives



Dynalam can be produced from any one of Roush's unique damping polymers. Each is designed for optimal damping performance at a different temperature range. RA970 is for low temperatures, such as refrigeration systems. RA925 is for room temperature applications. RA980 is for slightly elevated temperatures such as computer disk drives. RA990 is for high temperature, harsh environments such as automotive engine oil pans.

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.

Contact us or visit our website at www.roushind.com/NVH for more detailed information on Roush's full-service capabilities.

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.