

**POLYFORM®** Molded Products

**Breakthrough solutions for  
noise and vibration control.**



**Polymer Technologies Inc.**

*Engineering Sound Solutions™*



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Polymer Technologies, Inc., a pioneer in the development of composites for acoustical, thermal and vibration control, has applied its expertise and experience to produce POLYFORM® Molded Products. These custom formulations provide precision performance for a wide range of sophisticated energy management applications.

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### Engineered for excellence.

POLYFORM® Molded Products solve a multitude of problems in end-use applications. Manufactured expressly for energy management, they offer absorption, transmission loss, damping and isolation — **all in one product**. They accomplish this by encapsulating and isolating components that produce noise and vibration, plus they're excellent shock isolators.

Endless possibilities exist across a wide range of industries and applications, including:

- Industrial machinery
- Transportation equipment
- Medical equipment
- Office and computer equipment
- Appliances
- Recreational products
- Military equipment

### Innovations in efficiency and flexibility.

Far more than simply a replacement for die-cut foam, POLYFORM® Molded Products deliver multiple improvements in an entirely new way. There's virtually no limit to the solutions we can design to solve any noise or vibration challenge:

- Created to any shape.
- Designed with or without inserts.
- Increased durability, resilience and load-bearing properties.
- Offered in a variety of formulations, surface treatments, and colors.

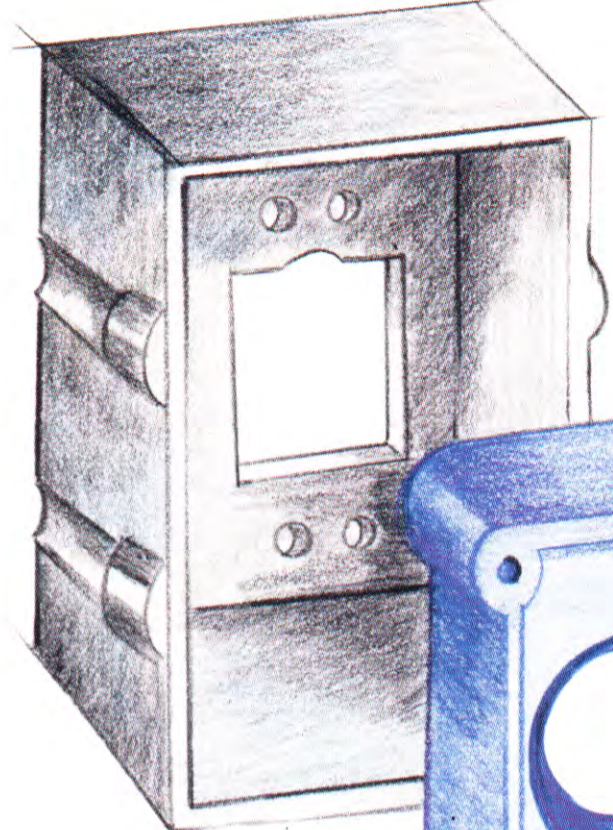
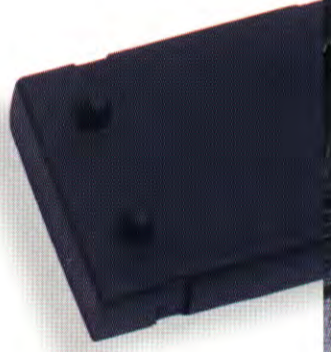
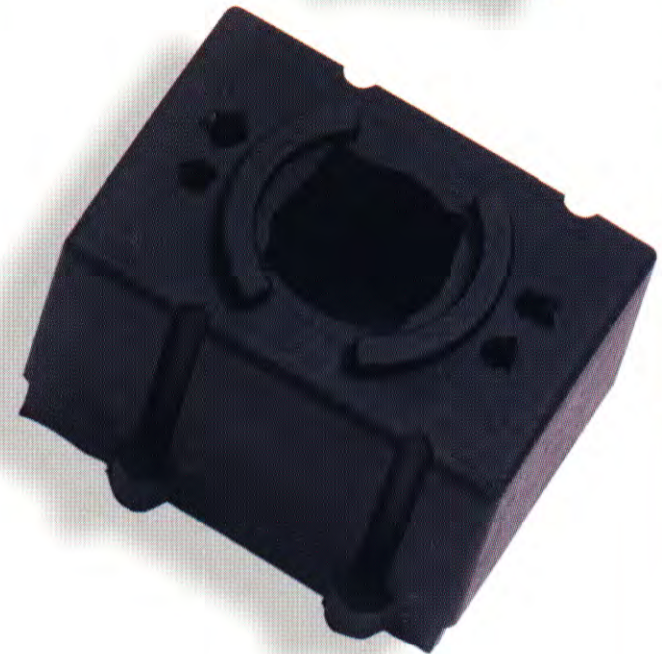
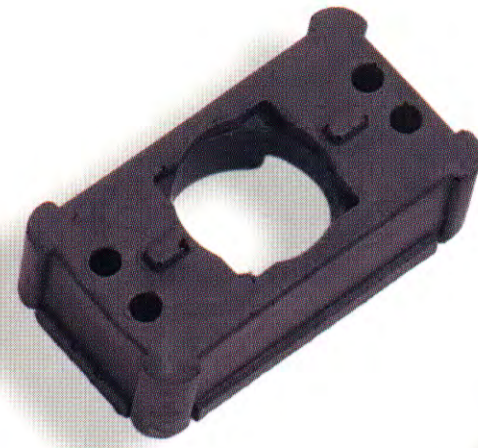
**One POLYFORM® Molded Product can replace multiple components to create a single, superior solution:**

- Simplifies assembly
- Eliminates fasteners
- Improves quality
- Eliminates parts
- Reduces the number of vendors
- Eases inventory management
- Reduces overall costs





**These key functions work together to create superior energy management solutions:**



▪ **Transmission loss** – blocks noise entering or exiting.

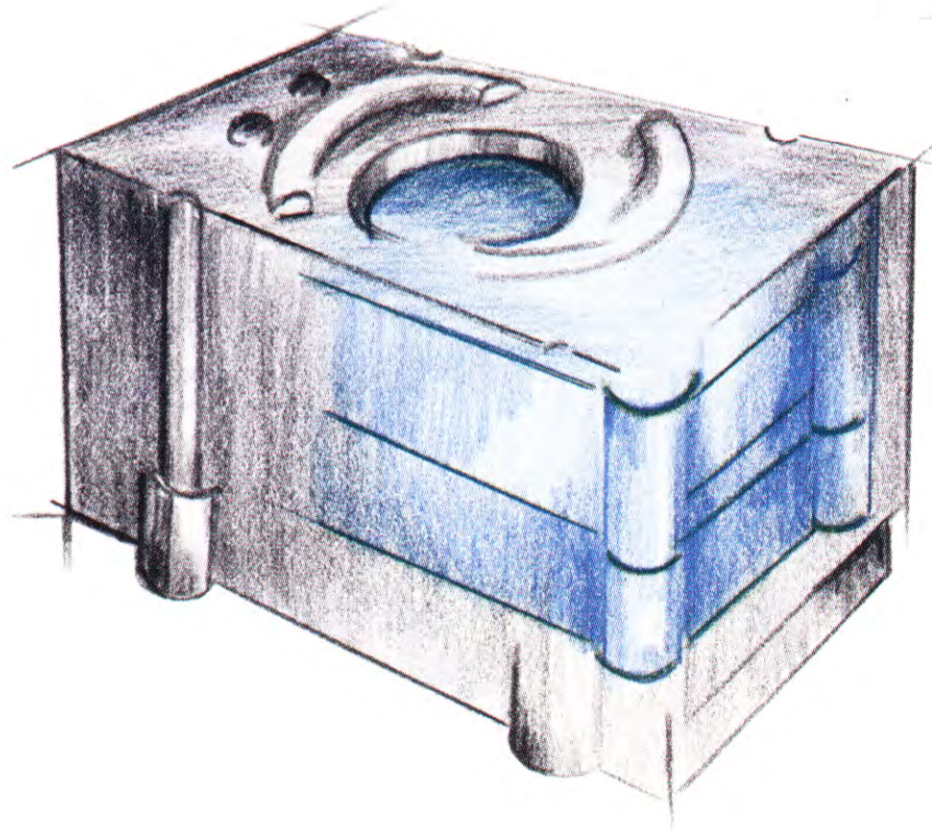
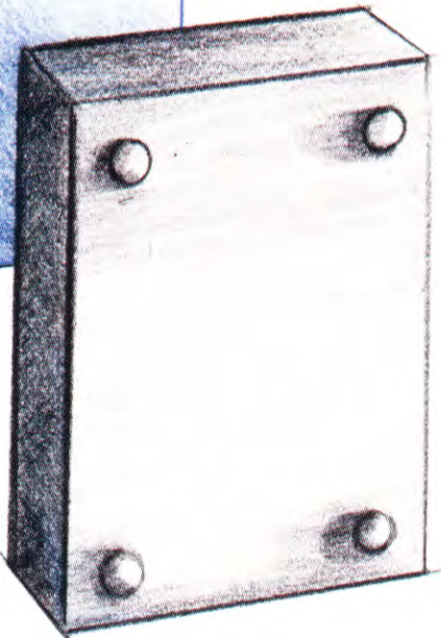
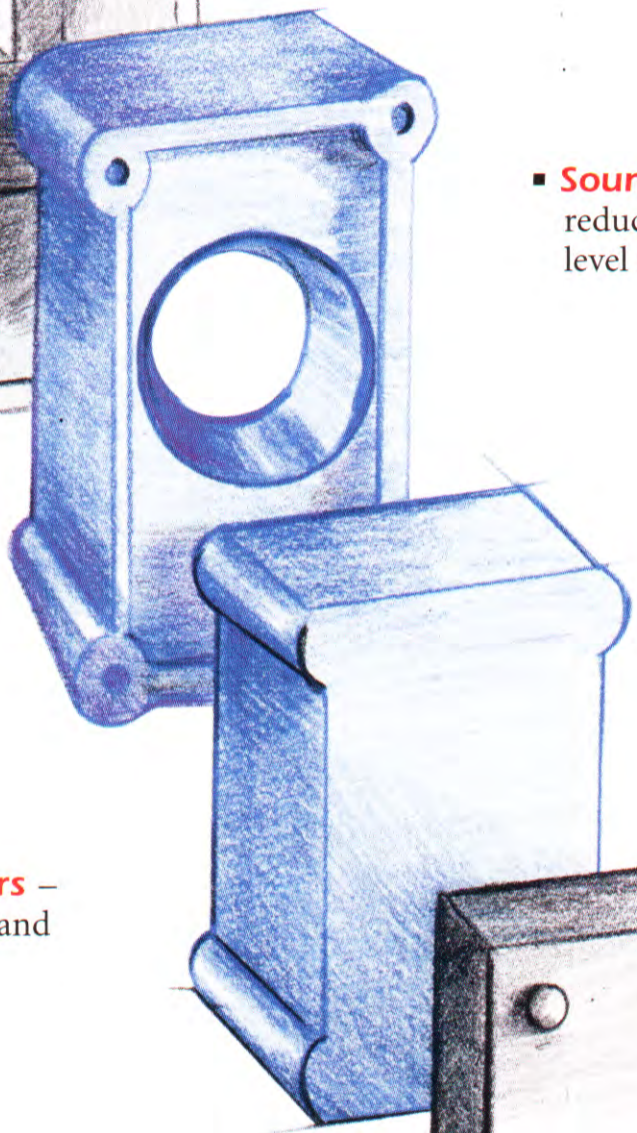
▪ **Sound absorption** – reduces sound pressure level in enclosures.

▪ **Vibration isolation** – reduces enclosure/ component resonance.

▪ **Thermal insulation** – separates heat sources from other components.

▪ **Platforms and positioners** – supports other components and eliminates fasteners.

▪ **Vibration damping** – reduces shock load to components.



**Bring us your challenges.**

Working together, we'll design and deliver parts that will improve your product functionality and manufacturing efficiencies, as well as reduce costs. Contact us at **800-850-9001** or **www.polytechinc.com** to learn more about how POLYFORM® Molded Products can improve your products ... and your bottom line.



## Expertise found nowhere else.

Since 1989, Polymer Technologies has focused exclusively on designing and manufacturing products for solving noise control, vibration, thermal and energy management challenges.

Our team includes experts with years of applied industry experience who work diligently to help customers find new ways to employ materials technology. The result: more

efficient solutions that improve performance and bottom-line margins.

A dedication to innovative engineering, product quality, and superior customer service are hallmarks of Polymer Technologies. These core principles — coupled with a strong customer-first philosophy — have enabled Polymer Technologies to become recognized as a leader in its industry.



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