



Molded Gaskets



By far the majority of gaskets, whether made of rubber or other materials, are cut from sheet goods. While this is acceptable for most gaskets, there are several good reasons that molded gaskets are a superior option.

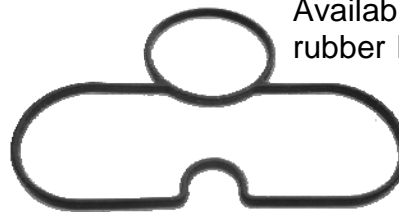
- Gasket Profile
- Tolerance Requirements
- Material Selection

The profile of cut gaskets is limited to the thickness of the available sheet materials. By molding gaskets, additional features can be included on the top and/or bottom face. Rounded or O-Ring style cross sections and locating devices can also be molded into the gasket. Cut gaskets often have concave, or angled edges due to the manufacturing method. Molded gaskets may be produced to any shape the designer specifies.



Examples of special profile molded gaskets

Thickness tolerances for gaskets made from calendared sheet are dependant on the sheet rubber. These may vary by as much as ± 0.015 . Precision Associates' proprietary molding process is capable of holding tolerances as tight as ± 0.002 for thickness.

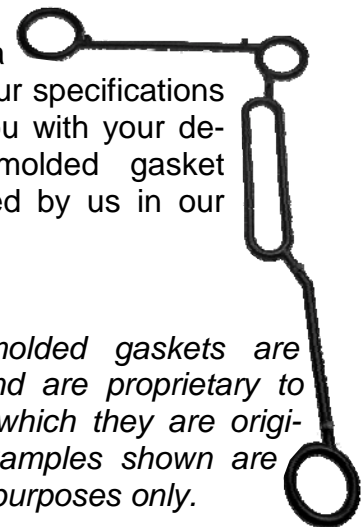


Availability of calendared rubber limits the material selection of cut or machined gaskets. PAI has more than 1,000 compounds

in production. Most likely, one of those will be exactly what you need. But if it not, we can develop a compound especially for you.

Producing gaskets from sheet goods can produce a lot of waste material. Expensive polymers like Fluoroelastomer, Fluorosilicone and especially Perfluoroelastomer can often be produced more efficiently by molding than by cutting.

PAI can produce a mold directly to your specifications or we can help you with your design. Precision molded gasket tooling is machined by us in our on-site mold shop.



Note: All PAI molded gaskets are "custom" items and are proprietary to the customer for which they are originally produced. Samples shown are for demonstrative purposes only.



3800 North Washington Ave.
Minneapolis, MN 55412-2142

Toll Free: 1-800-394-6590

612-333-7464

Sales: 612-334-9190

FAX: 612-342-2417

info@PrecisionAssoc.com

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After 56 years in the rubber business, we've learned to be flexible. We'll bend over backwards to design custom solutions that meet your needs *precisely*. PAI is the company you can trust for rubber seal solutions YOUR WAY!

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