

# Edge Molded Rubber Seals

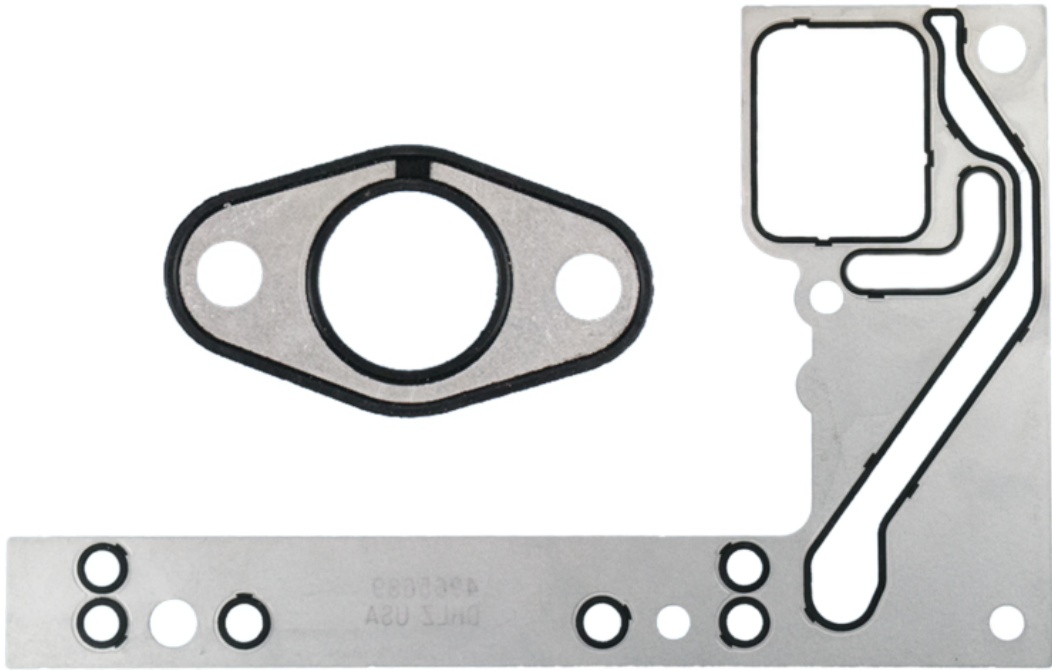
## Integral Seals

When you're design constrained and need the best sealing technology on the market, look no further than Edge Molded Rubber Seals (EMR), also known as Integral Seals. One of the main problems with sealing is joint relaxation caused by compression of the sealing material. Edge Molded Rubber Seals provide a positive stop, metal on metal joint where the only relaxation is from bolt stretch. All while carrying a 3D molded impermeable rubber seal to the joint. Edge Molded Rubber Seals can be made with various rubber materials like AEM, HNBR, FKM, Silicone, and AFLAS, depending on the temperature and fluid or gas to be sealed.

A key feature of a molded rubber seal is its ability to store potential energy and move with the joint as it moves. This sealing technology can be used when mass reduction, higher pressures, and fluid compatibility are design constraints. Unlike fiber gaskets these can be molded into 3D shapes for designing in functionality.

Couple EMR sealing performance with the NVH properties of rubber can provide a multi-functional part. The system can be "tuned" so that frequency transmission is minimized.

When properly designed EMR Seals provide the most reliable design to achieve "leak-free" and quiet joints.



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