Plastic carrier gaskets provide a versatile solution for sealing complex components. The gasket comprises one or more static elastomeric seals bonded to a thermoplastic carrier frame.

Multiple elastomeric seals using combinations of sealing technologies can be designed onto a single carrier frame.

Cost-effective assembly is achieved through the combination of seals and the addition of retention features designed to clip the gasket in place. Retention features allow the assembly process to be simpler, faster, and even automated.

VALUES FOR THE CUSTOMER

Plastic carrier gaskets help simplify sealing and assembly with multiple seals on one carrier frame.

- Thermoplastic carrier is molded to fit the component geometries and can utilize both edge bonded and press-in-place seals on the same gasket
- Suitable for sealing plastic-to-plastic and plastic-to-metal components
- The carrier frame enables easy positioning while retention features hold the gasket in place for quick assembly
- Full-service in-house design team to develop the best gasket for your application
FEATURES AND BENEFITS

Plastic carrier gaskets comprise one or more static elastomeric seals bonded to a thermoplastic carrier frame.

The design of the plastic carrier can allow for complex component geometries and non-symmetric sealing beads. Clips and other retention features are often added to the carrier design to help with assembly.

- **Applications**—typical applications for plastic carrier gaskets include intake manifolds, cover gaskets, and manifold/flap combinations

- **Size**—plastic carrier gaskets are manufactured in a wide range of sizes for many applications. The carrier frame often combines several separate seals into one gasket

- **Materials**—standard elastomeric gasket compound options include ACM, EPDM, HNBR, and FKM. The plastic carrier can be manufactured from a selection of thermoplastics to suit the application.

Plastic carrier gaskets maintain the highest standards of sealing performance and durability required for all Freudenberg Sealing Technologies gaskets in extreme conditions.

Clips and retention features are often added to help with assembly.