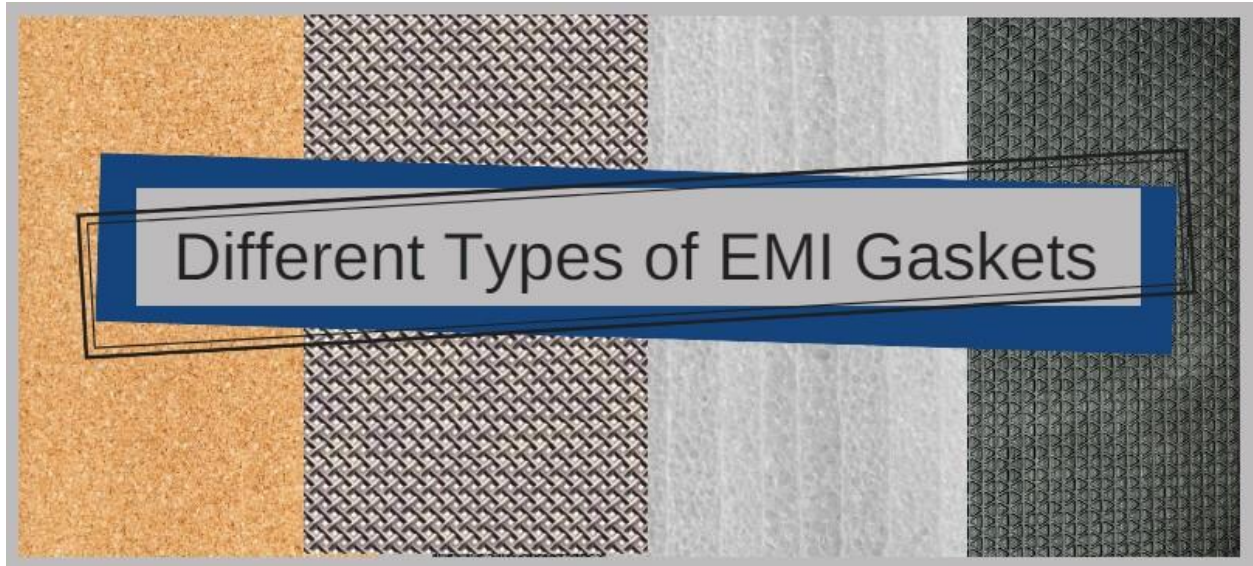


EMI Gasket - Different Types of EMI Shielding Gasket Material



Gaskets are used in many industrial applications to hold or seal a piece of equipment to prevent leaks and protect it from environmental conditions like dirt or water. Some gaskets also provide electromagnetic interference (EMI) shielding, which protects the equipment from electromagnetic emissions and dampens emissions produced by the device itself.

Because of their diverse applications and requirements, many different types of EMI gaskets are available. You can find gaskets made of different materials in various thicknesses and formed in many shapes. When choosing an EMI gasket, you'll need to consider factors such as shielding performance, electrical conductivity, compression requirements, environmental conditions and more.

Along with advice from a gasket manufacturer, you can pick the right gasket by familiarizing yourself with the properties of the available options. Reference the following overview as you begin the decision-making process.

EMI Gasket Material Types



Generally, EMI gaskets are made out of materials that are soft and flexible enough to support equipment properly. The material you choose for a gasket could depend on factors such as budget, design specifications and requirements for environmental resistance.

A few of the most common types of gasket materials include:

- Wire mesh: Wire mesh shielding provides adequate EMI resistance at a low price point. The material is flexible and conductive and requires minimal compression force.
- Rubber: Rubber is a soft gasket material often used to prevent leaks from industrial equipment. It's popular for applications that need to seal out water.
- Cork: Cork is sometimes combined with rubber as a gasket material because it offers greater compression and flexibility.
- Fabric-over-foam: Gaskets made of fabric-covered foam provide high-performance EMI solutions, which is why we offer them at JEMIC. The light material is flexible, requires minimum compression and provides excellent shielding and electrical resistance in a wide range of temperatures.

Different Styles of EMI Gaskets

All EMI gaskets share a similar purpose — to provide EMI shielding. However, at JEMIC, we offer different gasket types to suit a variety of requirements and specifications. Our standard EMI gaskets come in different sizes, thicknesses and shapes to provide results for different uses, from consumer electronics to military-grade applications.

In addition to different standard gaskets, we also offer our customers the option to customize any of our products. This ensures that you can find an EMI gasket that meets your specifications for shielding effectiveness, electrical resistance, compression deflection, compression set, surface temperature and more.

Why Choose EMI Gaskets From JEMIC?

To provide optimum performance in every situation, you need high-quality EMI gaskets that fit your exact specifications. JEMIC offers a wide variety of EMI gasket types to choose from. If you don't see a gasket that meets your needs, we'll work with you to design a product that does. After 30 years of experience, our manufacturing process is fast and affordable, capable of producing custom EMI shielding gaskets in just a few weeks. For more information about our products and customization capabilities, contact our team today.