

Elastomeric Material Solutions for Air Transportation and Space Exploration

The commercial aviation, aerospace, and satellite industries are always evolving, driven by the demand for safer, more efficient, and more advanced technology.

Rogers' material expertise, coupled with exceptional support from our experienced technical and quality teams, allows us to address challenges such as:

- Performance under wide variations in temperature and altitude
- Space and weight limitations
- Safety and reliability

And application areas such as:

- Long-term sealing
- Cushioning
- Vibration isolation and dampening
- Sound blocking
- Electrical insulation
- Energy storage



Rogers materials are trusted in many of the world's commercial, aviation aerospace, and satellite applications.

From vibration dampening of cargo bins, to sound blocking in the cabin, to increasing battery efficiency for advanced mobility, Rogers materials help to improve performance, safety, and passenger comfort.

Additionally, select Rogers materials meet stringent safety, industry, and flammability specifications.

Why Work with Sealing Devices and Rogers?

Rogers Preferred Converters are a network of partners who deliver an exceptional level of service and support for Rogers products.

A premier manufacturer and a Rogers Preferred Converter, Sealing Devices is a trusted partner with 60 years of experience solving sealing and gasketing challenges. They are a veteran-owned, AS9100, and ITAR registered enterprise.



Rogers Material Application Spotlights

BISCO® Silicones

BISCO® silicone materials offer high-performance characteristics, including extreme temperature stability, superior compression-set resistance, and compliance to the most stringent flame ratings. The materials are often specified for cushioning and gasketing/sealing applications.

Example: BISCO® BF-1000 Extra Soft Silicone are used in aircraft applications for cushioning

- Meets FAR 25.853 12 sec and 60 sec vertical burn
- Boeing (BMS 1-68) and Airbus (ABS5006) approved

Example: BISCO® HT-800 Medium and HT-870 Soft Silicones are used in antenna gasketing and sealing

- Superior compression set and stress relaxation for long-term sealing
- Withstands environmental conditions, including temperature fluctuations, UV/ozone, moisture, and extreme weather

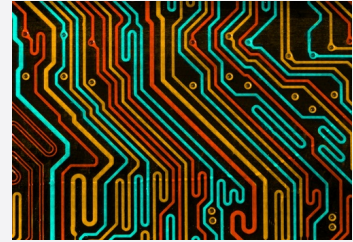


ARLON® Thermabond® Adhesives

ARLON® Thermabond® thermally conductive adhesives are designed to provide thermal-mechanical stress decoupling and heat transfer for high reliability and performance.

Example: ARLON Thermabond adhesives are used as thermal interface materials for bonding in aviation applications

- Thermal conductivity up to 2.5W/mK to transport heat away from hot spots
- Low modulus and high shear strength prevent adhesive delamination



PORON® Polyurethanes

PORON® polyurethane materials deliver excellent compression set and stress relaxation for consistent performance over the life of an EV battery pack.

Example: PORON 30, 40, 92 and PORON EVExtend® foams are used as battery pad materials in lithium ion batteries for space satellites or in advanced air mobility applications such as eVTOL aircraft

- Increased battery efficiency due to ideal compression pad curve
- Vibration and shock protection



For more information, contact the Sealing Devices product experts at seals@sealingdevices.com.