

## Featured Custom Gasket Materials

### Q-PAD

Q-pad is a composite of silicone rubber and fiberglass. What makes this material special, besides its outstanding mechanical and physical attributes, is its flame retardant characteristics. Because of that, this material can be used in many applications in the semiconductor industry; for example to electrically isolate power sources from heat sinks.

Q-pad has attributes that can be perfect for many applications in the semiconductor industry, like:

- Thermal Impedance: 1.13°C-in<sup>2</sup>/W (@50 psi)
- Thermal Conductivity: 0.9 W/mK
- Maximum Usage Temperature: 356 F

### GRAFOIL

Grafoil's flexible composition is produced by chemically treating natural graphite flake to bond the layers and then heating them to decomposition. Grafoil is popular because it is flame retardant and easy to handle. Grafoil's unique physical and chemical properties make it ideal for sealing and for high-temperature applications.

Grafoil's sheets can be laminated together to form gaskets for many uses. Its attributes include:

- Thermal Conductivity: 5 W/mK
- Maximum Usage Temperature: 752 F

[Custom Gasket Cutting - Precision Laser Cut Gaskets \(a-laser.com\)](http://a-laser.com)

[A-Laser Precision Laser Cutting - Laser Ablation, UV and IR Lasers](http://a-laser.com)