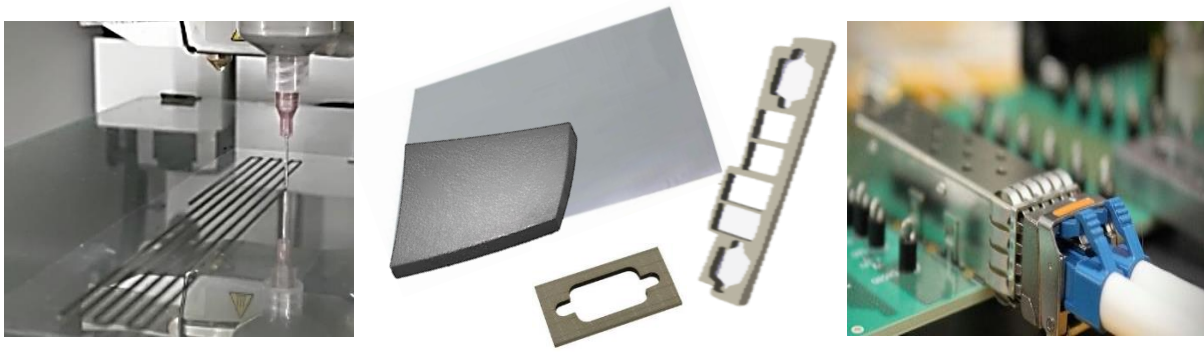


# Dispensable, Coating and Moldable EMI Shielding Gasket in 5G-6G Electronic Technology



A vast range of electromagnetic shielding performance for different sensitivity of applications in a variety of markets, including: the automotive, consumer electrical and electronics, optical telecommunication, data system, energy, Radio Frequency Interference (RFI), healthcare, and industrial markets. The frequencies of multiple components in 5G and 6G applications are so high that they influence and interfere with each other. Classical shielding via metal housings is no longer effective on such scale.

PENCHEM has launched an Electromagnetic Interference (EMI) Shielding Compounds or Radio Frequency Interference (RFI) from impacting sensitive electronics. Our shielding gasket comprising of silicone elastomeric core best for gasketing applications and this is achieved by using metallic ingredients from absorb the electromagnetic interference that is being transmitted through the air. With the increasingly strict government regulations on both emissions and immunity are helping product designers and manufacturer to integrate shielding compounds into their product designs successfully. These precious formulations guarantee the clean and proper functioning of high-frequency protection and making ultra-fast data transmission feasible.

## Characteristics

- ✓ The products are dispensable and molded in different morphologies to provide electromagnetic compatibility, fix into design for protection integral and environmental sealing up to IP65 levels. This specialty compound gives product

designers and processors tremendous flexibility and offer significant benefits for selection.

- ✓ Shielding of over 80 dB-100dB @ 200 MHz to 400GHz applications on field products can be reached very easily by using these shielding gaskets
- ✓ EMI/RFI solution with excellent shielding properties and low volume resistivity performance, < 0.04 Ohms.cm
- ✓ Flammability class: UL94-V0
- ✓ High shear strength for dispensable version
- ✓ Highly compressible
- ✓ Service Temperature -50 °C to 200 °C
- ✓ Non-corrosive
- ✓ Customer-specific lengths and stamped out patterns can be carried out on request

## Applications

- ✓ EMI/RFI Shielding
- ✓ Shield Ventilation panel
- ✓ Vibration and Shock Absorption
- ✓ Air and Liquid Filtration
- ✓ Noise Suppression
- ✓ Gasketing and Sealing
- ✓ Heat Transfer and Insulation
- ✓ Mist Elimination and Process Separation
- ✓ Flame Arrestors
- ✓ PDAs, Phones, PC Cards, Radios, Cast Plastic Enclosures, Electronics gadgets.

PENCHEM as an advance solution provider has the capability to provide a total match for your processes, products and equipment requests. We have a research and development center and application laboratories which enable our development of future products with customer collaboration and test our adaptations directly and optimize all interfaces between the materials in order to achieve a maximum of system performance and reliability.

Welcome to contact us at:

Email: [jessie@penchem.com](mailto:jessie@penchem.com)

Tel: +6016-4123499

Website: [www.penchem.com](http://www.penchem.com)