

Clean Sealing Material for Semiconductor, Solar, and Bio Tech Applications

- Integrated System Technology’s Compound **iEPDM** is used in various applications meeting FDA and NSF requirements, also.
- **iEPDM** is an elastomer from soft to hard and with excellent performance in static and dynamic applications.
- **iEPDM** shows its best performance in ozone and hot water/steam environments and polar solvents.
- **iEPDM** has seals in a wide range of operating temperatures. Dynamic seals may be held as low as -50° and can withstand temperatures up to 150°C.
- The material is stretchable up to 204% combined with very high tensile strength.
- The chemical resistance allows **iEPDM** to be used in a range of solvents and ozone.

SPECIAL FEATURES

- Low Temperature, High Temperature
- Ozone, Water, Steam resistance
- Broad Chemical Resistance
- Very Good Mechanical Properties and Durability in Dynamic Seals/Bellows
- FDA, NSF Grades Available

Applications

Orings	Hot, cold water/steam
Custom Seals	Ozone, oxygen
Bonded Gates	Solvents and polar solvents
Bellows	Weather resistant

iEPDM: Typical Physical Properties

Compression Set, Size -214 O-ring, 22 hours @ 70°C	9.2 %
Tensile at Break	18.2 MPa 2664 psi
Elongation	204 %
100% Modulus	7.5 MPa 1082 psi
Durometer, Shore A	80
Color	Black
Minimum Operation Temperature	-50 °C
Maximum Temperature	+150 °C