

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

- **EDD1** is a specially designed material for clean applications.

EDD1 is a special elastomer that is carbon black based for high

- pressure sealing applications.

EDD1 is an unique compound formulation for temperature up to 220°C

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- **EDD1** has seals in a wide range of operating temperatures. Dynamic seals may be held as low as -18° and can withstand temperatures up to 220°C.

The material is stretchable up to 173% combined with very high tensile strength of 3016 psi.

- The broad chemical resistance allows **EDD1** to be used in a range of chemistries in semiconductor, solar, bio tech and oil and gas industry.

SPECIAL FEATURES

- Ultra Clean, No Metals
- Very Low Out-gassing
- Medium Operating Temperature
- Broad Chemical Resistance
- Designed for Dry Semiconductor Applications
- Very Good Mechanical Properties and Durability in Dynamic Seals/Bellows
- Low Particle Generation

Applications

Orings	Semiconductor
Custom Seals	Solar
Bonded Gates	Bio Tech
Bellows	Oil and Gas

EDD1: Typical Physical Properties

Compression Set, Size -214 O-ring, 70 hour @ 204°C	13.2%
Tensile at Break	20.8 MPa, 3016 psi
Elongation	173 %
100% Modulus	14.5 MPa, 2100psi
Durometer, Shore A	90
Color	Black
Minimum Operation Temperature	-18 °C
Maximum Temperature	+220 °C
Special Features	High Pressure Resistant