

Omniseal Solutions™ is a global engineering leader with over 65 years of historical legacy, relentlessly dedicated to the design and manufacture of precision sealing and material solutions that protect critical applications in the most demanding environments and passionately driven to push “Beyond the Boundaries of Possible.”

With a versatile solutions portfolio that includes polymer seals, metal seals, composites and polymer materials, our team of experts design, fabricate, assemble and create solutions that achieve precise tolerances, while mitigating friction, wear and leakage, in order to meet the extremely demanding performance requirements of critical applications in essential industries.

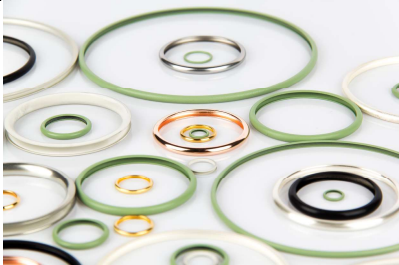


OMNISEAL® SPRING-ENERGIZED SEALS

- Custom Design Spring-energized seals
- Extreme use temperatures: -268°C to +316°C [-450°F to +600°F]
- High pressure: 3448 bar [50,000 psi]
- Broad chemical compatibility
- Low friction and low wear

OMNISEAL® METAL SEALS

- Resilient metal seals
- O-seals / C-seals / E-seals / lip seals / custom designed seals
- Facial static and axial dynamic applications
- High vacuum (10^{-11} Torr) to 5515 bar [80,000 psi]
- Extreme low leak rate (10^{-10} cc/sec He)
- Temperature range: Cryogenic to +1010°C [1850°F]



MELDIN® POLYIMIDES

- High strength at high temperatures
- Self-lubricating
- Intermittently to +482°C [+900°F]
- Very high load capabilities
- Very low thermal expansion



RULON® FLUOROPOLYMERS

- Low Friction
- High Wear Life
- Inert to most chemicals
- Temperature Range -240°C to +288°C [-400°F to +550°F]
- FDA, EU & USP Class VI complaint materials available





HYCOMP™ COMPOSITES

- Blend of Polyimide, High strength carbon fibers and glass fibers
- Self-Lubricating Composite material
- High Temperature and Mechanical Strength
- Superior wear resistance

OMNISEAL® ROTARY LIP SEALS

- Capable of handling wide temperatures -53°C to +232°C [-65°F to +450°F]
- Capable of surface speeds in excess of 7000ft/min (35 m/s)
- Low Friction (Leads to long life)
- Has extended life in dry or abrasive Media
- Unlimited shelf life



Global and Local Presence With 17 manufacturing facilities in 10 different countries, Omniseal Solutions™ is a diverse group that is committed to being customer centric.

Contact our team of experts for more information. We have a local resource to support you!

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