Hi-Tech Seals

High-Performance Materials



- KasPeX™ PEEK
- WolCar™ Carbide
- TechCera™ Ceramic
- AraLite™ Compressed Sheet
- BoKure™ Urethane
- RyFlor™ ePTFE

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WolCar™ Carbide

Cemented tungsten carbide delivering extreme toughness, hardness, and wear resistance for high-stress environments. Manufactured into virtually any shape and size for specific applications.

- Superior strength and toughness
- Exceptional wear and abrasion resistance
- Outstanding performance at high temperatures
- Remarkable corrosion resistance
- Excellent chemical resistance
- Highly resistant to deformation



TechCera™ Ceramic

Lightweight advanced ceramics with exceptional hardness and mechanical properties. Outstanding resistance to chemicals, corrosion, wear, abrasion, and extreme temperatures for precision components in demanding environments.

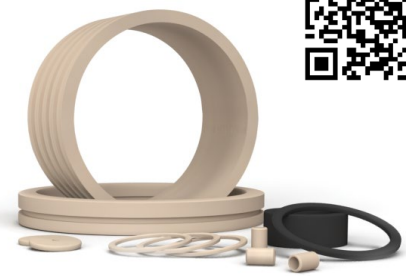
- Excellent mechanical properties
- Extreme hardness
- Superior wear and abrasion resistance
- Outstanding thermal properties
- Exceptional chemical resistance
- Great resistance to corrosion
- Remarkable electrical insulation properties



KasPeX™ PEEK

High-performance PEEK thermoplastic offering superior mechanical strength, chemical resistance, and thermal stability. Improves the performance and reliability of machined parts across diverse industries.

- Outstanding chemical resistance
- Superior high temperature performance
- Exceptional wear & abrasion resistance
- High electrical integrity
- Excellent hydrolysis resistance



BoKure™ Urethane

High-quality urethane that extends product longevity and maximizes equipment runtime. A proven alternative to rubber, plastic, and metal where wear and corrosion are a concern.

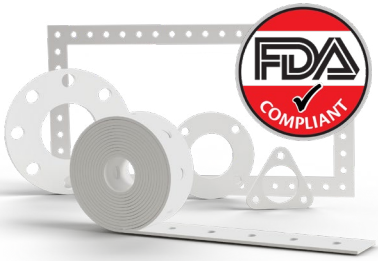
- Superior abrasion and impact resistance
- Exceptional load bearing ability
- Excellent cracking and tear resistance
- Outstanding performance in elevated temperatures
- Remarkable low-temperature flexibility
- Outstanding resistance to a wide range of chemicals



RyFlor™ ePTFE

Critical service gasket material that withstands aggressive chemicals and extreme temperatures without degrading. Reliably seals flanges in demanding environments where leakage poses serious hazards.

- Seal imperfect flange surfaces without deformation
- FDA compliant
- Substantially increase the service life of the gasket
- Resistant to UV and Ozone
- Withstands loads over 40,000 psi
- Excellent chemical resistance
- Low compressive creep under extreme conditions



AraLite™ Compressed Sheet

General-purpose gasket combining high-strength aramid and inorganic fibres reinforced with a nitrile binder. Exceptional thermal, mechanical, and chemical properties with high compressibility for a tight seal even on irregular surfaces.

- Excellent sealing capability
- Good compressibility and recovery
- Remarkable thermal resistance
- Superior mechanical and chemical properties
- Exceptional performance in contact with gas
- Wide temperature range



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