



technical products & logistics

knowledgeable | innovative | unbiased | responsive

knowledge makes the difference

ERIKS
Seals and Plastics

ABOUT ERIKS

ERIKS is an international industrial service provider offering a wide range of high-quality mechanical engineering components and associated technical and logistics services, primarily related to elastomer and engineered plastic components used in critical applications and environments. Our passion for technology has helped transform virtually every market in which we operate.

Vast market knowledge, in combination with strong customer relationships, keeps ERIKS on the forefront of your industry's needs. With a diverse and experienced technical staff ERIKS can aid in product selection as well as product development. Our goal is to partner with our customers and help them develop innovative and sustainable solutions, and cut costs through technology, operations excellence and a strong customer focus.

Knowledgeable

We offer reliable and knowledgeable recommendations that go far beyond the basic product level for a variety of applications utilizing a wide selection of materials.

Innovative

If we cannot find the right product for your application we will work with you to create it.

Unbiased

Our dedication and application knowledge allows us to be your sealing partner, not just a supplier.

Responsive

Our commitment is to provide quick and accurate information on parts and materials and delivery when you need them.

OEM

Original Equipment Manufacturers

- » Contribution to R&D
- » Components and sub-assemblies
- » Quality assurance
- » Procurement and logistics

MRO

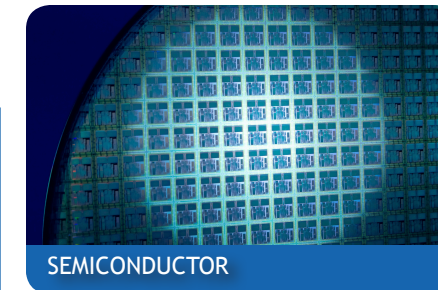
Maintenance Repair Overhaul

- » Application, product and material knowledge
- » Lower total costs
- » Broad logistical services
- » Performance improvements

MARKET KNOWLEDGE

Whatever market you are in, ERIKS has the knowledge and experience to understand and focus on your specific needs and deliver tailored solutions that can lower your operating costs and save you valuable time.

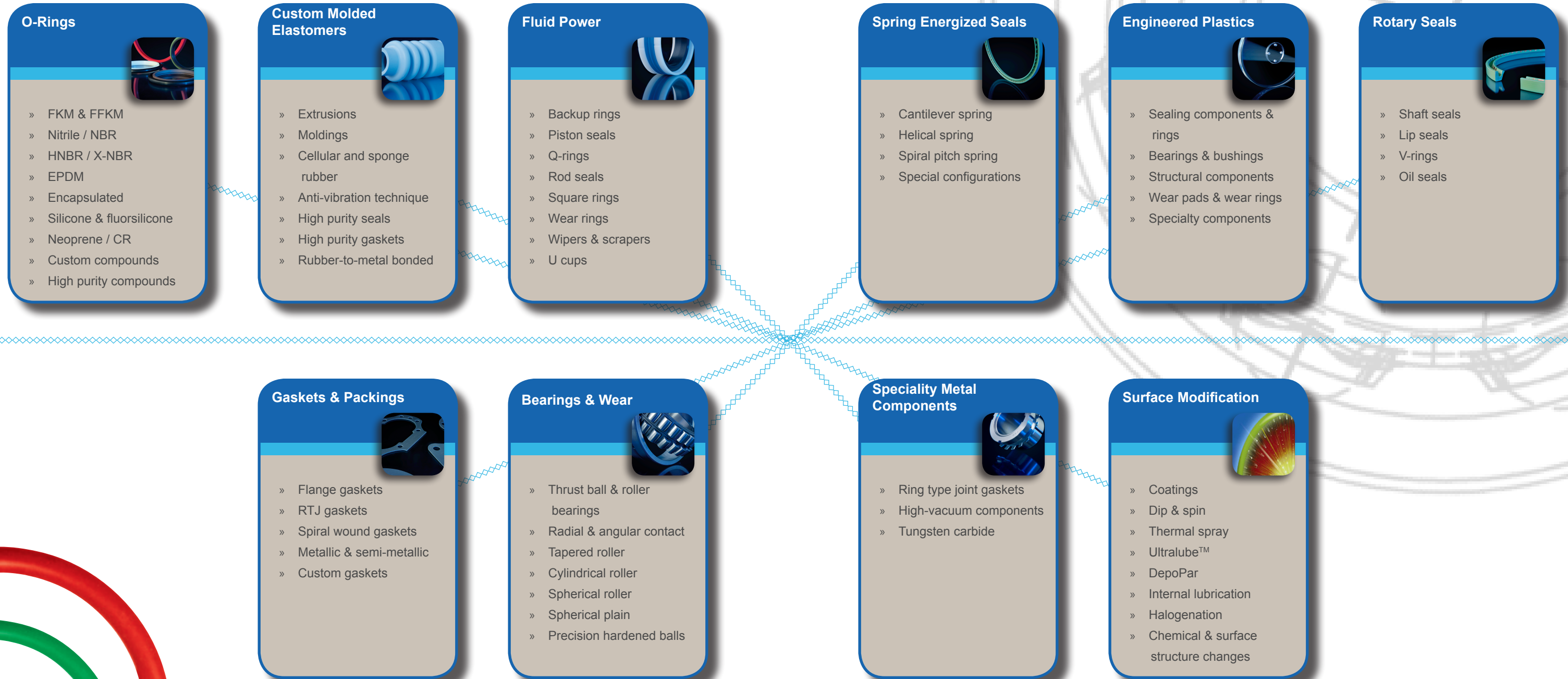
Not only do we know and understand your industry, but - thanks to our comprehensive coverage of a broad range of manufacturing and other industrial disciplines - we can apply relevant lessons learned elsewhere to your particular field: bringing you benefits of transferable technology unavailable from any other industrial services provider.



PRODUCT KNOWLEDGE

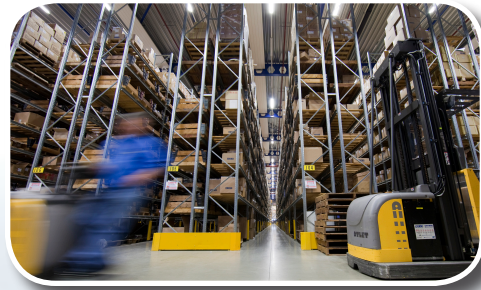
Our application engineers have an in-depth knowledge of the products we supply and a clear understanding of their unique applications. ERIKS is one of the world's most respected seal and polymer suppliers, we strive to provide our customers with the most objective assessment of the features and benefits of all available products that meet their specific needs, not ours. If the right solution does not exist, we will work with you to create it.

ERIKS OFFERS A WIDE RANGE OF PRODUCTS FROM HIGH PERFORMANCE ELASTOMERS AND ENGINEERED PLASTICS TO SPECIALITY METAL COMPONENTS



SERVICES KNOWLEDGE

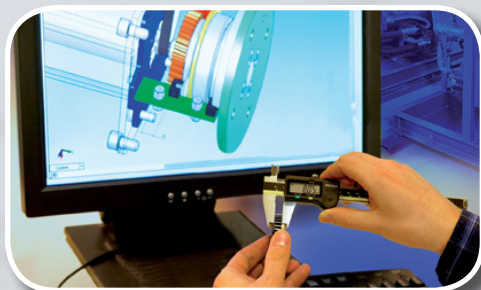
As a top international industrial service provider, ERIKS has developed a wide range of logistical services to serve our customers. Utilizing the vast knowledge and experience of ERIKS as an extension of their own organization makes it possible for our customers to considerably reduce their procurement costs without compromising on reliability, flexibility or quality. In addition, ERIKS is the only company to offer ERIKS Scan, an easy order and inventory tracking system available on your smartphone.



Logistics

ERIKS offers a wide range of flexible logistics services that contribute to our customers' ability to reduce their costs. We continually analyze and help streamline logistic flows based on our customers' demand patterns. Our logistic solutions are tailored to interlink with our customers, both from the administration side and the physical parts flow. From simple component supply through fully integrated VMI programs, we make procurement more efficient for our customers.

- ◇ Specialized packaging
- ◇ multiple warehouses (domestic & international)
- ◇ Same day shipping
- ◇ Consolidated shipments
- ◇ 17,000 unique parts in stock



Quality

We understand that the quality of the parts that we supply is essential to the operation and success of our customers. We take the lead to ensure that our parts and accompanying documents exceed the expectations and specifications of our customers. In addition to developing new products and materials for our customers, our highly-skilled technical team is an invaluable asset in the quality process; providing the necessary support to guarantee that the parts supplied meet the requirements specified by our customers when the parts were ordered.

- ◇ Supplier validation
- ◇ PPAP reports
- ◇ Compound certificates
- ◇ Specifications & standards
- ◇ 100% Inspection available
- ◇ Advanced measurement equipment

Supply Chain Integration

ERIKS Supply Chain Integration represents a broad range of logistics services and e-business solutions that allow you to significantly reduce your acquisition costs. Our integrated supply chain services seamlessly interlink with your existing procedures, adding value to your business.

- ◇ Custom notifications
- ◇ Customer self service
- ◇ EDI
- ◇ Virtual inventory



CREATING VALUE BY PROVIDING CUSTOMIZED SOLUTIONS TO FIT YOUR NEEDS UTILIZING OUR GLOBAL SOURCING CAPABILITIES AND VAST DISTRIBUTION NETWORK

ERIKS Scan

ERIKS Scan is an industry-leading electronic supplier managed inventory system that helps our customers streamline the order process. Utilizing a smartphone, the ERIKS Scan app can simplify the order process through the scanning of serialized barcode tags, thereby minimizing user input and ensuring order accuracy.

- ◇ Vendor managed inventory
- ◇ Kanban



Product Kits

ERIKS offers a comprehensive kits and parts marketing program in support of our customers aftermarket sales. We offer customer branded solutions that can include your specific instructions and comply with promotional programs that you offer. From simple to complex, ERIKS also offers complete sub-assembly services.

- ◇ Customer specific packaging
- ◇ Production kits
- ◇ Aftermarket kits
- ◇ Redress kits



Strategic Sourcing

Technical companies spend huge amounts on purchasing and related costs. Utilizing the global sourcing and buying power of the entire ERIKS organization allows us to pass the savings on to our customers. In addition, we are able to offer a wider selection of products and materials to better fit the specific needs of your application.

- ◇ Economy of scale
- ◇ Lower purchasing costs
- ◇ Increased flexibility



TECHNICAL KNOWLEDGE

With a dedicated staff of engineers and the most experienced technical specialists in the industry, ERIKS offers reliable and unbiased recommendations that go far beyond the basic product level. We offer an industry unique combination of product expertise combined with application knowledge, through the use of in-house engineering and materials testing and state-of-the-art logistic services. This enables ERIKS to play an active role in R&D, product innovation and application support; increasing our customers' productivity. It is this dedication and technical know-how that allows us to be your sealing partner, not just a supplier.

Application Support

Our highly experienced engineering team has extensive material expertise as well as many years of application specific experience in a variety of different industries. Whether it's a new design, or improvement to an existing product, our team offers impartial technical support to ensure an effective sealing solution for your specific application.

- ◇ Material recommendations based on:
 - ◇ Temperature
 - ◇ Pressure
 - ◇ Fluid compatibility
- ◇ Standard seal design
- ◇ Gland design

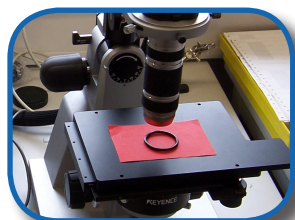
Design & Development

Utilizing state-of-the-art software and technology, our team of engineers can work with your engineering department to analyze your requirements and develop a unique design suited to your application. Whether it is a new design and application, or improvements to an existing part – ERIKS can help!

ERIKS has a degreed engineering team and very experienced application engineers standing by to give advice and assist you through the prototyping and testing process. By working in this way, we contribute to the achievement of your goals to quickly and successfully introduce new products and innovative solutions. The ERIKS technical team provides design and development support for individual parts as well as rubber and plastic compound development.

Sample of design & development services offered:

- ◇ New product development
- ◇ 3D part modeling
- ◇ Linear and non-linear finite element analysis
- ◇ Prototype production
- ◇ Reverse engineering
- ◇ Elastomer and thermoplastic compound development



THE ERIKS APPLCATION TECHNOLOGY CENTER IS A TESTIMONY TO OUR COMMITMENT TO THE HIGHEST LEVEL OF PRODUCT SUPPORT AND CUSTOMER SATISFACTION.

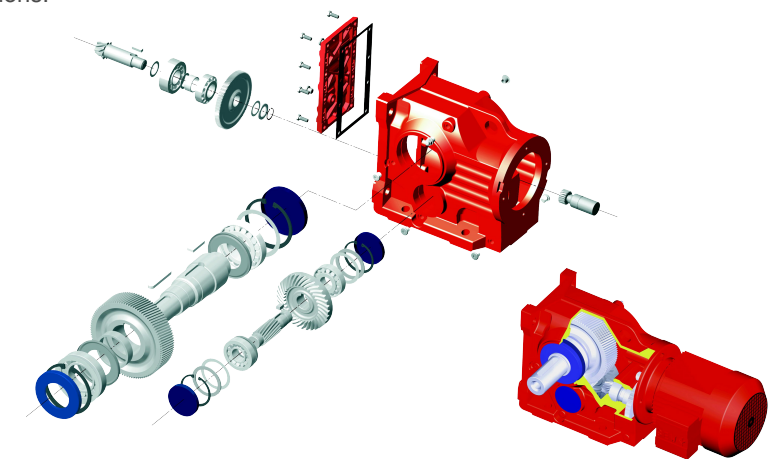
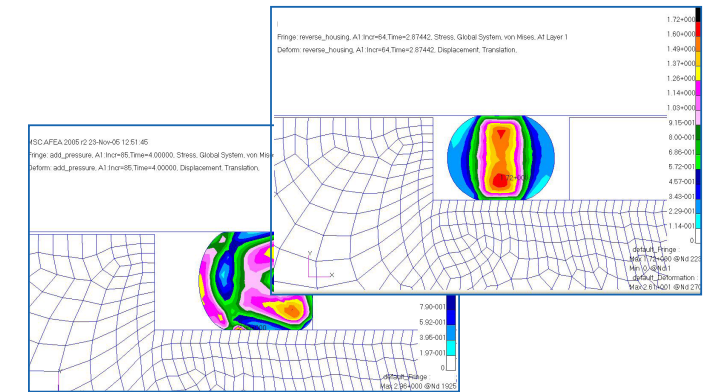
Testing & Analysis

ERIKS provides test & analysis support for a wide variety of industries. Each and every day at ERIKS we renew our commitment to a culture of continuous improvement in the engineering, design and manufacturing of seals, gaskets and elastomer and plastic parts.

The comprehensive testing and analysis capabilities at our application technology center are a testimony to our commitment to the highest level of product quality and customer satisfaction.

Our in-house testing facilities allow us to perform tests based on industry standards or customer specifications.

- ◇ Failure analysis
- ◇ Life-cycle testing
- ◇ Material identification
- ◇ Compression set
- ◇ Heat ageing
- ◇ Fluid immersion
- ◇ Material composition
- ◇ Dimensional analysis
- ◇ Physical properties
 - ◇ Tensile/Compressive strength
 - ◇ Elongation
 - ◇ Hardness
 - ◇ Specific gravity



MATERIALS KNOWLEDGE

Experience and decades of cooperation with the producers of raw materials makes ERIKS your ideal partner. Our engineers and materials specialists go through the complete development process with you in order to select the correct material for your unique application, all at a very competitive price.

Elastomer	Compound Reference	Color	Hardness	Temperature Range	Application
Nitrile, NBR, Buna N	36624A	Black	70A	-31 to 230°F (-35 to 110°C)	Standard compound with medium acrylonitrile content for use with hydraulic fluids, alcohols, water and fuels.
	47702A	Black	90A	-13 to 250°F (-25 to 120°C)	Similar in chemical resistance to 36624A with improved performance in high-pressure applications.
Hydrogenated Nitrile, HNBR, HSN	88651A	Black	80A	-4 to 300°F (-20 to 150°C)	Improved chemical and thermal stability.
	88670A	Black	80A	-40 to 300°F (-40 to 150°C)	Improved low temperature stability.
Ethylene Propylene, EPDM	55914A	Black	70A	-67 to 300°F (-55 to 150°C)	Standard compound for use in solvents, alcohols, ketones and water.
Fluorocarbon, FKM, Viton® Copolymer	51414A	Black	75A	-4 to 392°F (-20 to 200°C)	General purpose compound with good compression set performance and chemical resistance.
	51410A	Brown	75A	-4 to 392°F (-20 to 200°C)	Brown-colored general purpose low compression set compound.
Fluorocarbon, FKM, Viton® Terpolymer	51430A	Black	75A	-40 to 392°F (-40 to 200°C)	Improved low temperature performance.
	51420A	Black	75A	14 to 392°F (-10 to 200°C)	Improved chemical resistance.
Fluorinated Ethylene Propylene, FEPM, TFE/P, Aflas®	22350A	Black	80A	5 to 446°F (-15 to 230°C)	General purpose compound with good chemical resistance to amines.
Perfluoroelastomer, FFKM, Kalrez®	92410A	Black	75A	5 to 482°F (-15 to 250°C)	Excellent chemical resistance and good compression set.
	92420A	Black	75A	5 to 590°F (-15 to 310°C)	Excellent chemical resistance and high temperature stability.
Silicone, VMQ	71410A	Red	70A	-94 to 450°F (-70 to 230°C)	Very good thermal stability.
Fluorosilicone, FVMQ	61410A	Blue	70A	-76 to 360°F (-60 to 180°C)	Improved chemical resistance.
Polyurethane, PUR	90010A	Amber	90A	-40 to 212°F (-40 to 100°C)	Excellent abrasion and wear resistance. Very high strength.

FOR DECADES, ERIKS HAS STOOD FOR INNOVATION AND QUALITY FOR CUSTOM MOLDED ELASTOMERS AND RUBBER TECHNOLOGY.

Plastic	Compound Reference	Color	Fillers	Heat Deflection Temp (264 psi)	Application
Polyester Thermoplastic Elastomer, TPE, Hytrel®	Various	Various	Various	120°F (49°C)	Various grades of thermoplastic elastomers for lower hardness, more compliant applications.
Polyethylene, UHMW	E010	White	Unfilled	114°F (46°C)	FDA compliant and very good wear resistance.
Polyamide, PA6, Nylon®6	E067	Yellow	Pigmented	199°F (93°C)	Very good chemical resistance and strength, susceptible to moisture absorption.
Acetal, POM, Delrin®	E020	Brown	Pigmented	250°F (121°C)	Improved resistance to moisture absorption.
Polytetrafluoroethylene, PTFE	E400	White	Virgin	132°F (55°C)	Excellent chemical resistance, FDA compliant, high elongation, creep susceptible.
	E436	White	Glass Filled	150°F (65°C)	Improved strength.
	E461	Dark Gray	Carbon Filled	150°F (65°C)	Improved strength.
Polyetheretherketone, PEEK	E125	Tan	Virgin	480°F (249°C)	Excellent combination of strength, thermal stability, and chemical resistance.
	E133	Tan	Glass Filled	600°F (316°C)	Improved strength & thermal stability.
	E163	Dark Gray	Carbon Filled	600°F (316°C)	Improved strength & thermal stability.
Polyphenylenesulfide, PPS, Ryton®	E240	Brown	Glass Filled	510°F (265°C)	Excellent combination of strength and chemical resistance.
Polyimide, PI, Vespel®	E700	Brown	Unfilled	600°F (316°C)	Excellent chemical resistance and high temperature strength.

for additional information visit one of the ERIKS info websites

www.flangegaskets.info
 www.hydraulic-seal.info
 www.mechanical-seals.info
 www.o-ring.info

www.oil-seals.info
 www.rubbertechology.info
 www.solutions-in-plastics.info

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