

Perfluoroelastomer (FFKM) Product Overview

Katona[®]

®



Perfluoroelastomers

Katon® 7178W for Semiconductor Applications

Katon® 7178W is specifically engineered for semiconductor manufacturing, featuring ultra-low metal content, excellent plasma resistance, low-outgassing and outstanding compression set. These properties ensure deep-clean sealing reliability, making it ideal for semiconductor dry/wet applications.

Temperature Range: -10°C to 230°C

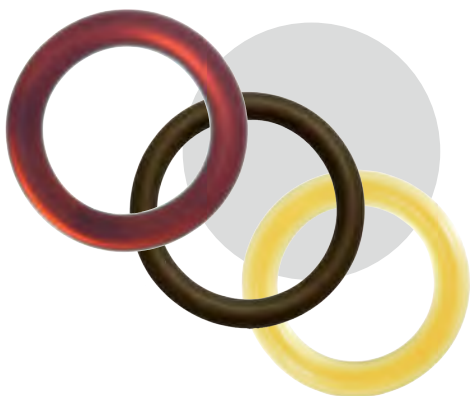
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Katon® 7/8/9C Series – Nano Filler for Ultra-Clean Applications

The Katon® 7/8/9C Series features nano filler technology, making it the ideal choice for applications that require ultra-clean, plasma-resistance, and low-outgassing sealing solutions.

Temperature Range: Available in 260°C to 317°C grades to meet diverse application needs.

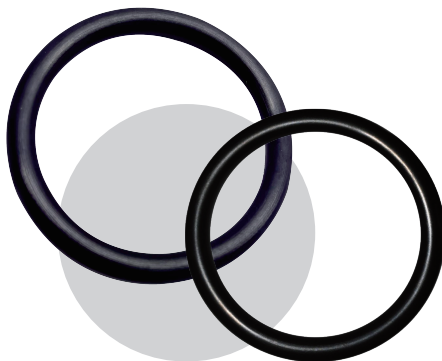


High-Performance Seals for Harsh Chemical & Oil/Gas Applications

The Katon® 7900 Series is specifically engineered for harsh chemical and oil & gas environments, offering exceptional resistance to sour gas and H₂S. With excellent compression set resistance and multiple hardness options, this series delivers reliable performance in the most demanding applications.

Temperature Range: -10°C to 230°C

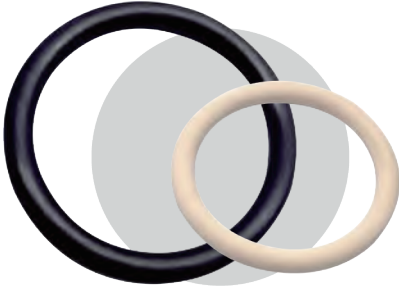
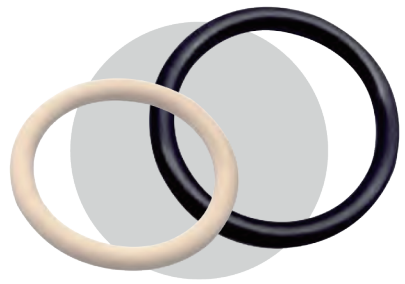
Available Hardness: 75/90 Shore A



The Universal Solution

The Katon® 7100 Series is a versatile FFKM elastomer offering excellent chemical resistance, reliable sealing performance, and great cost performance for a wide range of applications.

Temperature Range: -10°C to 230°C



Enhanced Version with Superior Temperature Resistance

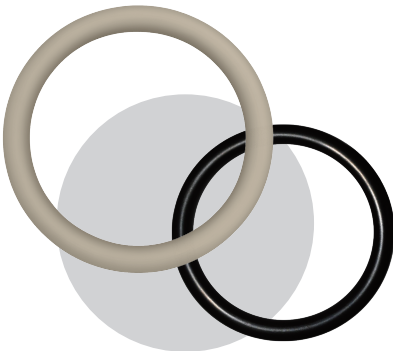
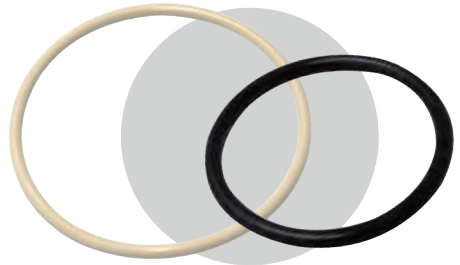
The Katon® 7200 Series is an enhanced version of the Katon® 7100 Series. It extends the temperature range, making it ideal for more demanding applications.

Temperature Range: -10°C to 260°C

High-Performance Seals for High Temperature Steam Applications

The Katon® 8000 Series is engineered for high-temperature, demanding applications, providing exceptional resistance to steam and hot water, excellent thermal stability, and strong FFKM chemical resistance.

Temperature Range: -10°C to 290°C



Premium Seals for Ultra High-Temperature Applications

Katon® 9000 Series is built for applications that demand sealing solutions in ultra-high-temperature environments. Offering outstanding thermal stability and chemical resistance, this series is ideal for critical applications requiring performance at extreme temperatures.

Temperature Range: -10°C to 317°C

All products on this page are available with customizable hardness and colors. For additional requirements, please contact your Katon® representative.

Katon

Your Trusted Partner in Perfluoroelastomer O-Rings
Innovation, Precision, and Reliability in Every Seal



Decades of dedication to mastering one craft, striving for perfection

For years, Katon® has focused on creating high-quality FFKM O-Rings. Every detail is refined with precision, reliability, and innovation to deliver sealing solutions you can trust.



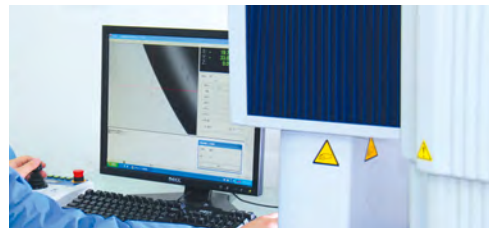
Our manufacturing processes are rigorously controlled to ensure that each seal meets the highest standards of quality and performance at a competitive cost. With a state-of-the-art facility and an advanced laboratory, we are committed to continually evolving to meet the unique needs of our customers.



Why Choose Katon®?

Katon® specializes in high-performance FFKM O-rings for industries such as semiconductors, chemical processing, automotive, and more. Our O-rings are engineered for extreme temperature and chemical resistance, making them the ideal choice for critical applications that demand reliability and durability.

Let's Talk About Your Sealing Needs
Have a question or need a custom solution?
We're here to help! Whether you're looking for FFKM O-rings or need advice on the best material for your application, our team is ready to guide you.



Reach out to us at [✉ sales@katonseal.com](mailto:sales@katonseal.com)

Katon® Product Disclaimer

Katon® products are designed for reliable sealing across various applications. However, no single material is suitable for all conditions. It's essential to select the right material for optimal performance based on your specific needs. Temperature ranges and performance characteristics provided are approximate guidelines. Testing under actual conditions is recommended to ensure suitability. Color variations and minor marks may occur due to the manufacturing process but do not affect performance. For further clarification, please contact your Katon® representative.