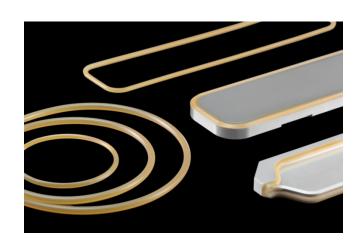
VALQUA Semiconductor Industry Products

ULTIC ARMOR™

High Performance FKM

Product & Benefits

ULTIC ARMOR™ is a high performance FKM applicable to both static and dynamic applications. It may be used for CVD, Etch and Ashing processes. The ULTIC ARMOR™ is also available as a specifically engineered bonded gate.



Featured Benefits

- A Highly Pure FKM with Improved Radical Resistance
- Low Adhesion to Metal for Gate Seals
- Excellent Compression Set for Static or Dynamic Locations

Applications

- All CVD Applications
- Dry Etch Equipment
- Plasma Ashing Equipment

Contact Us

Valqua America, Inc. 4655 Old Ironsides Dr #380 Santa Clara, CA 95054 www.valqua-america.com

Typical Properties

Color	Transparent Amber
Hardness (Shore A)	70
Tensile Strength (MPa)	13.9
Elongation (%)	220
Modulus 100% Elongation (MPa)	2.9
Maximum Temperature (°C)	200
Compression Set (%)	27

Compression Set: 25% compression at 200℃ for 72 hours Values above are actual measurements, not standards

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Additional information ULTIC ARMOR™

Performance Properties

Customer Evaluation Conditions

Equipment: CVD

Location: Exhaust valve (AS568A-274)

Gas: $SiH_4+O_2+He+Ar/NF_3+Ar$

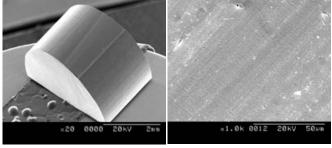
Plasma power: RF3200W/Microwave 3200W

Temperature: 120 °C

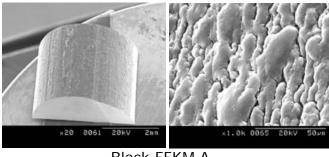
Wafer Count: ULTIC ARMOR 4,800

> Black FFKM A 3,200

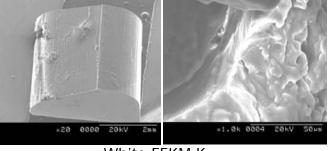
4,000 White FFKM K



ULTIC ARMOR







White FFKM K