

VALQUA Semiconductor Industry Products

REBLIC ARMOR

High Performance FKM

❖ Product & Benefits

REBLIC ARMOR is an inorganic filler-free type high performance fluoroelastomer.

It has excellent properties for semiconductor manufacturing processes that involve plasma environments such as Dry Etch and CVD, aimed at reducing particle generation and adhesion to extend sealing lifetime.

REBLIC ARMOR's softness also helps improve the ease of installation.



❖ Featured Benefits

- Excellent Plasma Resistance
- Excellent Adhesion Properties

❖ Applications

- Plasma Etch / Remote Plasma Clean
- Static Locations (Lid, Inlet, Etc.)

❖ Contact Us

Valqua America, Inc.
1130 Mountain View Alviso Rd.
www.valqua-america.com

❖ Typical Properties

Color	Reddish Brown
Hardness (Shore A)	55
Tensile Strength (MPa)	17.0
Elongation (%)	300
Modulus 100% Elongation (MPa)	1.5
Compression Set (%)*	20
Temperature Range (°C)	-5 ~ 200

*25% Squeeze @200C for 72h

Values above are actual measurements, not standards

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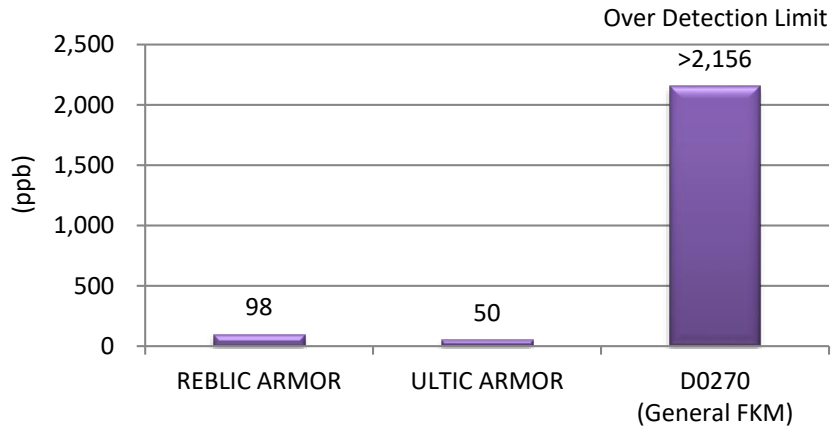


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Additional Information

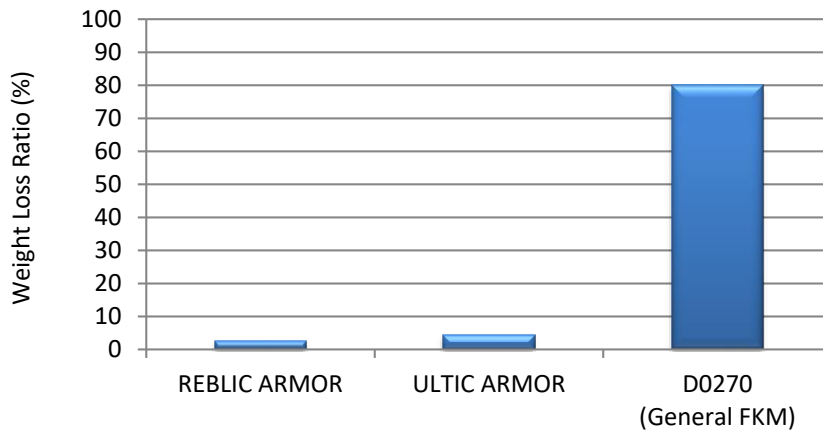
REBLIC ARMOR

❖ Inorganics Content (ICP-MS)



- Elements below lower detection limit omitted
- Upper detection limit value counted for elements above this limit

❖ Radical Resistance



❖ Adhesion Strength

