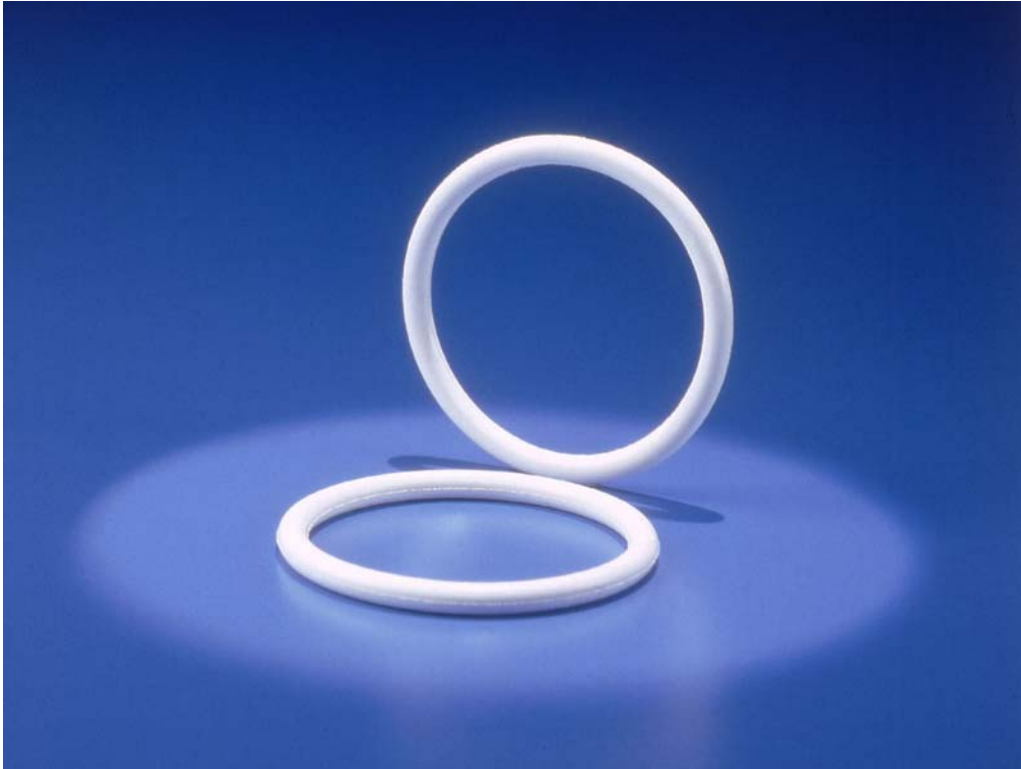


SPOQ ARMOR®



TYPICAL PROPERTIES

Hardness (Shore A)	Tensile Strength (MPa)	Elongation (%)	Modulus 100% Elongation (MPa)	Max. Service Temperature	Compression Set (%)
71	14	240	3.0	200°C	18%

Compression Set: 25% compression, 200°C x 72 hours

Above values are actual measurements, not standards.

Features

- Plasma Resistance
- Low Adhesion
- Low Metallic Impurities
- Low Outgassing

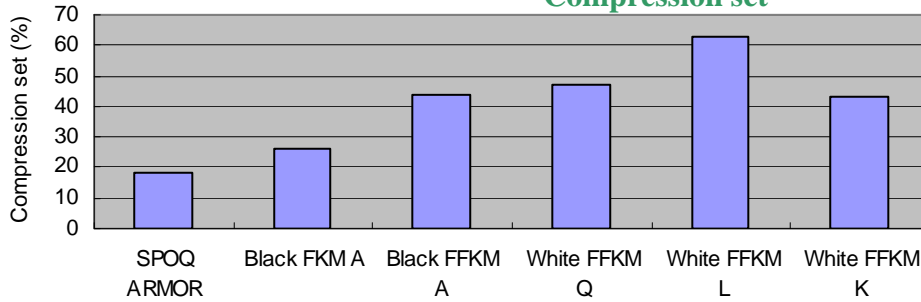
Applications

- Dry Etch Equipment
- Plasma Enhanced CVD Equipment
- Plasma Ashing Equipment



Valqua America, Inc.

Compression set



Sample shape: CS50 x 50mm
Temperature: 200°C
Test period: 72 hours
Squeeze ratio: 25%

Actual Equipment Evaluation Example

Scanning electron micrograph of elastomer surface after plasma exposure.

X20

Equipment: CVD
Location: Slit valve (AS568A-254)
Gas: TEOS+O₂+C₂F₆+TMP
Plasma Power: RF450W
Temperature: 70~80°C
Wafer Count: SPOQ ARMOR 17,727
General FKM 1,700

X20

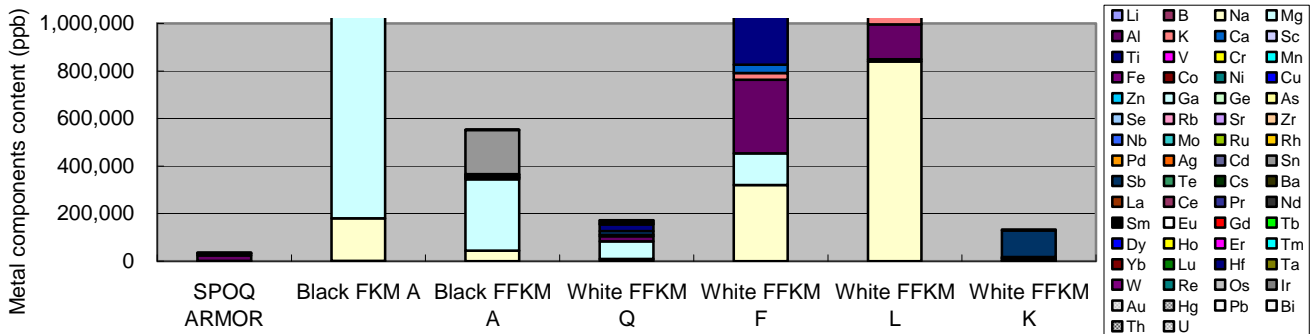
X1000

SPOQ ARMOR

X200

General fluoro elastomer

Metal components content



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