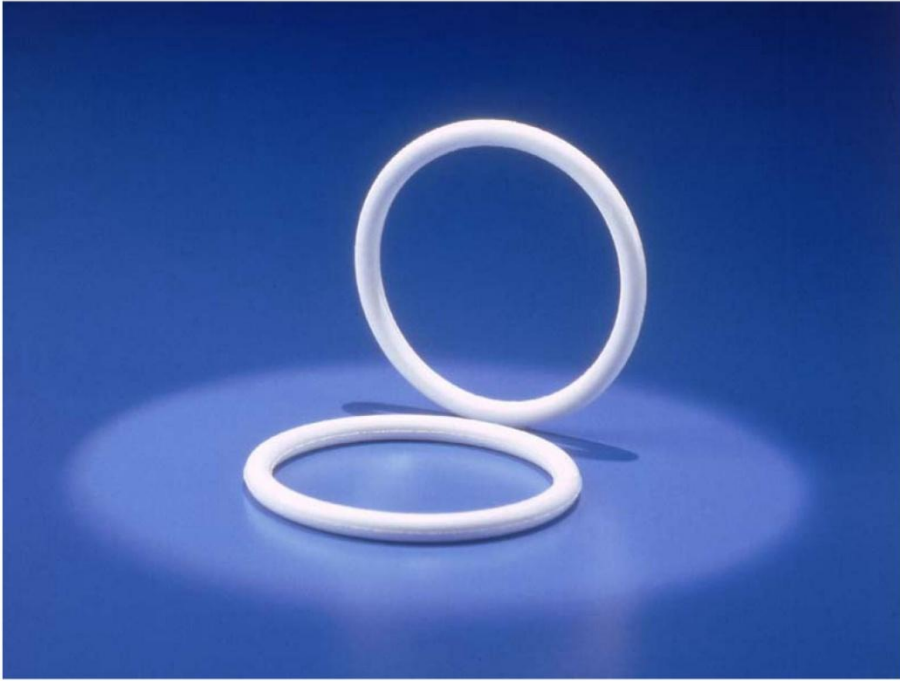


# SPOQ ARMOR®



## TYPICAL PROPERTIES

Hardness (Shore A)	Tensile Strength (MPa)	Elongation (%)	Modulus 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

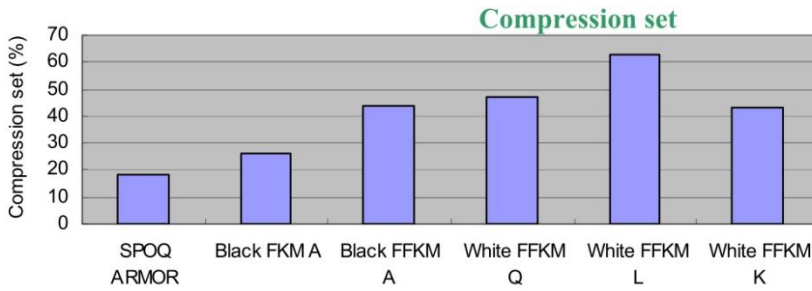
### Applications

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



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**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+O<sub>2</sub>+C<sub>2</sub>F<sub>6</sub>+TMP**  
**Plasma Power: RF450W**  
**Temperature: 70~80°C**  
**Wafer Count: SPOQ ARMOR 17,727**  
**General FFKM 1,700**

**X20**

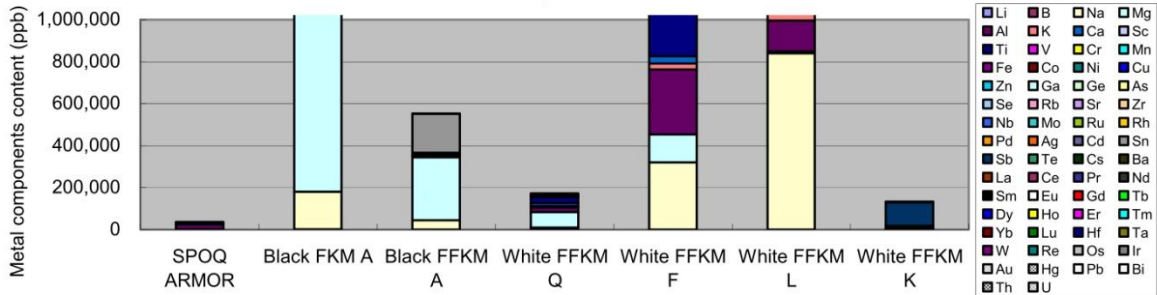
**X1000**

**SPOQ ARMOR**

**X200**

**General fluoro elastomer**

### Metal components content



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