

# ARMOR CRYSTAL®



## TYPICAL PROPERTIES

| Hardness<br>(Shore A) | Tensile Strength<br>(MPa) | Elongation<br>(%) | Modulus 100%<br>Elongation<br>(MPa) | Max. Service<br>Temperature | Compression<br>Set<br>(%) |
|-----------------------|---------------------------|-------------------|-------------------------------------|-----------------------------|---------------------------|
| 60                    | 17                        | 580               | 1.7                                 | 150°C                       | -                         |

Compression Set: Not specified for this material

Above values are actual measurements, not standards.

### Features

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

### Applications

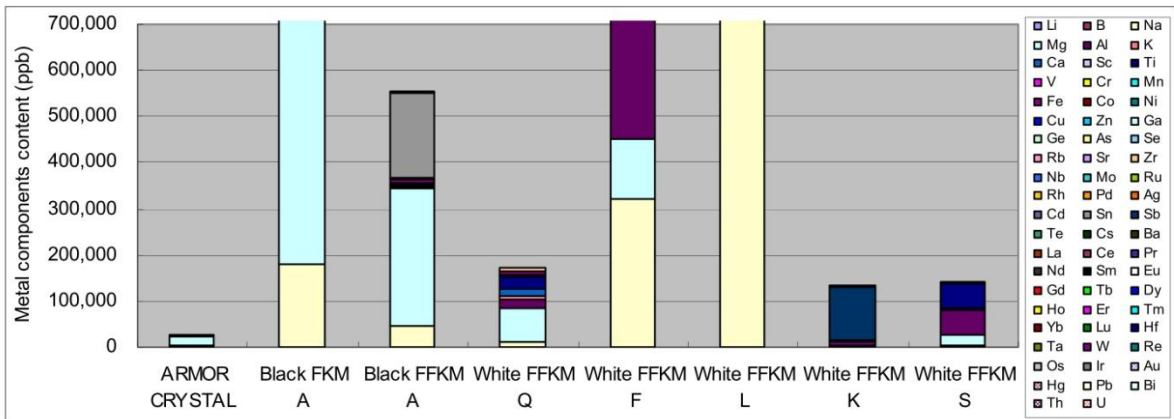
- Dry Etch Equipment
- Plasma Enhanced CVD Equipment
- Plasma Ashing Equipment
- Seals for Plasma Equipment



Version: 110323

**TAIWAN VALQUA® ENGINEERING INTERNATIONAL, LTD.**

## Metal Components



## ACTUAL CUSTOMER EVALUATION

**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: 70~80C**  
**Wafer count: ARMOR CRYSTAL 141,000**  
**General fluoro rubber 1,700**

**X20**

**X1000**

**X1000**  
**Particle**

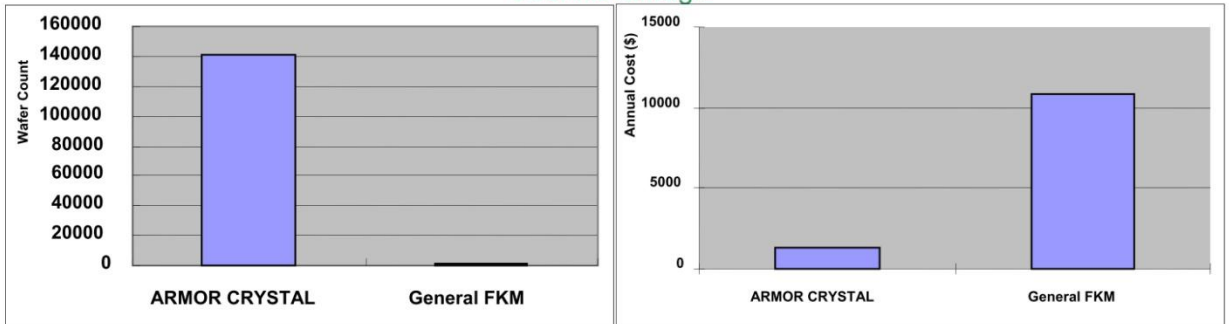
**X200**

**X200**

**ARMOR CRYSTAL**

**General fluoro elastomer**

## Cost Advantage



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