

ARMOR CRYSTAL®



TYPICAL PROPERTIES

Hardness (Shore A)	Tensile strength (MPa)	Elongation (%)	Modulus 100% elongation (MPa)	Service temperature range	Compression Set (%)
60	17	580	1.7	~160°C	43%

Compression Set: After squeezing 22% at 150°C x 72 hours

Above values are actual measurements, not standards.

Features

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

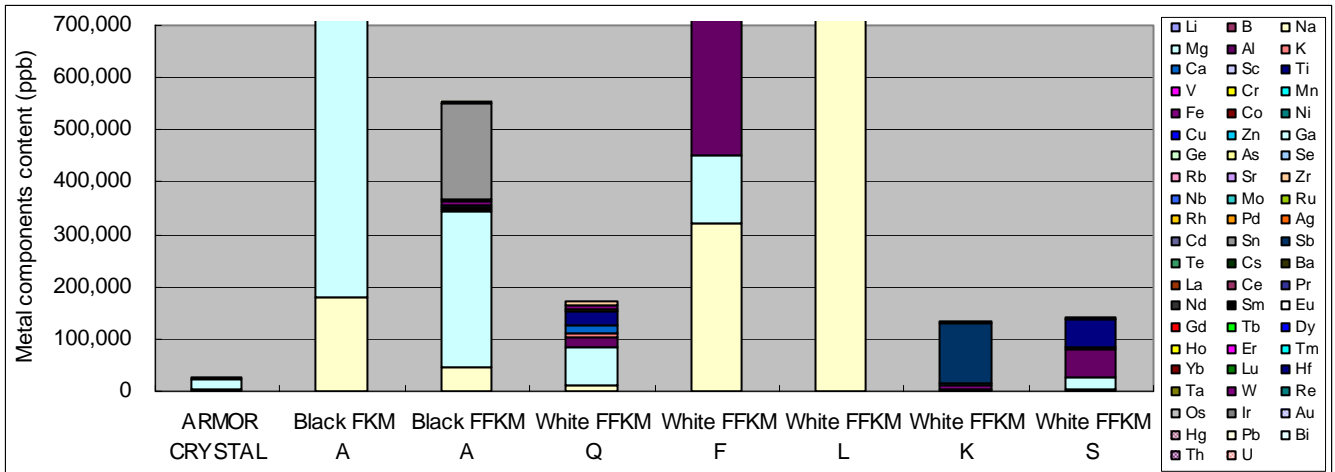
Applications

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



VALQUA KOREA Co., Ltd.

Metal Components



ACTUAL CUSTOMER EVALUATION

X20

Equipment: CVD
Location: Slit Valve (AS568A-254)
Gas: TEOS+O₂+C₂F₆+TMP
Plasma Power: RF450W
Temperature: 70~80C
Wafer count: ARMOR CRYSTAL 141,000
General fluoro rubber 1,700

X20

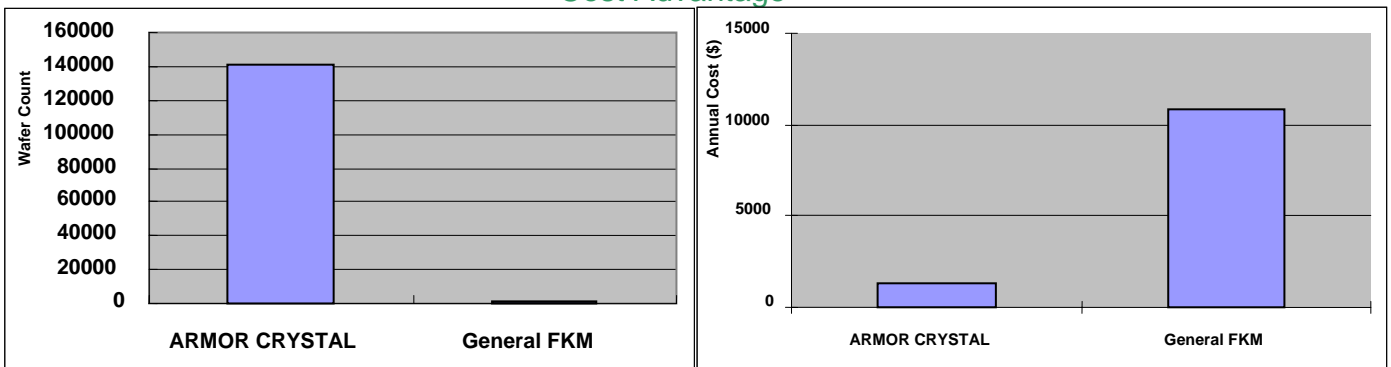
X1000

X1000
Particle

ARMOR CRYSTAL

General fluoro elastomer

Cost Advantage



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