

HYREC ARMOR™



TYPICAL PROPERTIES

Hardness (Shore A)	Tensile Strength (MPa)	Elongation (%)	Modulus Elongation (MPa)	100% Elongation (MPa)	Max. Service Temperature	Compression Set (%)
58	13.0	440	1.2		200°C	22%

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

Above values are actual measurements, not standards.

Features

- Plasma Resistance
- Low Adhesion to Quartz
- Low Metallic Impurities
- Heat Resistance

Applications

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



Version: 110328 (040216)

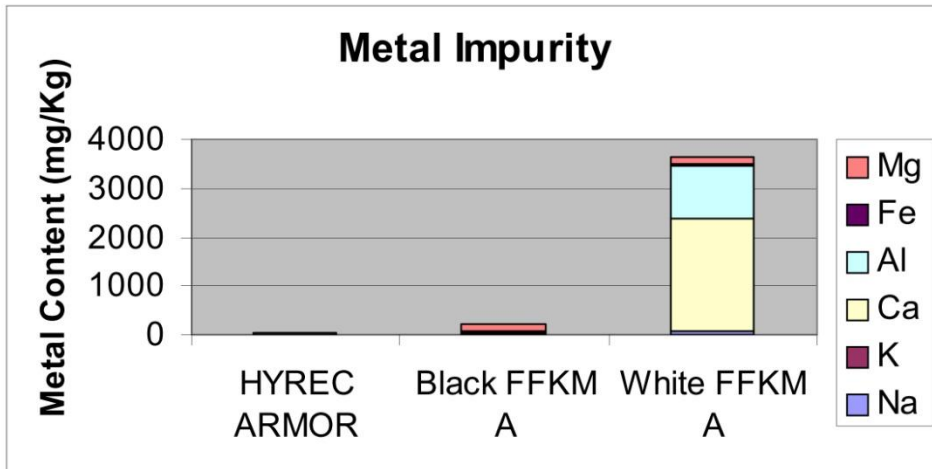
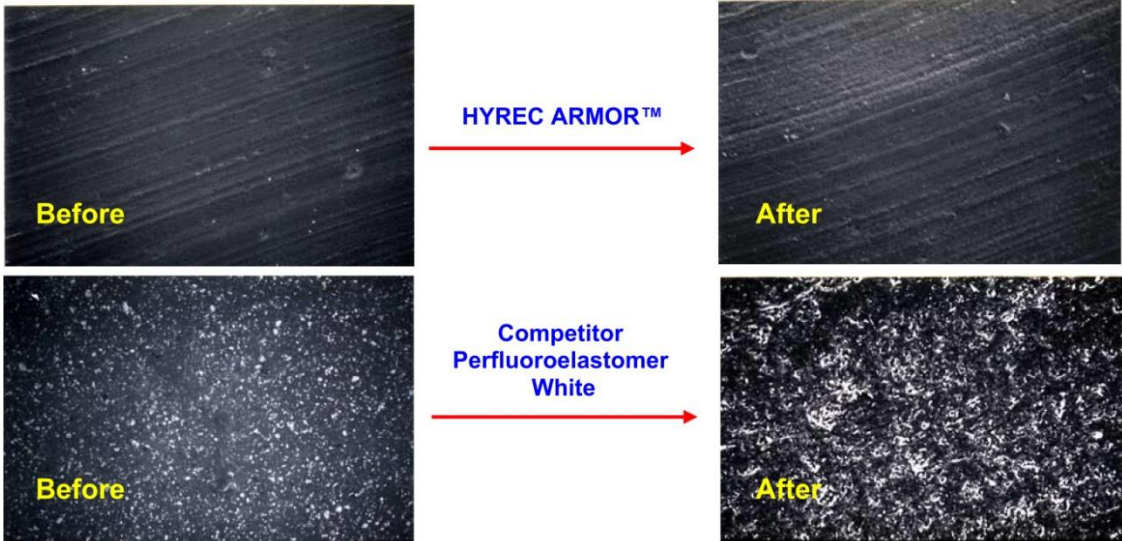
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Actual Equipment Evaluation Example

Scanning Electron Micrograph of Elastomer Surface after Plasma Exposure.

Equipment: Plasma Etch System

O-ring Size: AS568A-207 Gas: Cl₂+BCl₃+Ar Plasma Power: 1,000~1,500W Temp: 100~200°C
 Evaluation Period: (HYREC ARMOR) 2 months (Competitor) 1.5 months



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