

HYREC ARMOR™



TYPICAL PROPERTIES

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



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Actual Equipment Evaluation Example

Scanning Electron Micrograph of Elastomer Surface after Plasma Exposure.

Equipment: Plasma Etch System

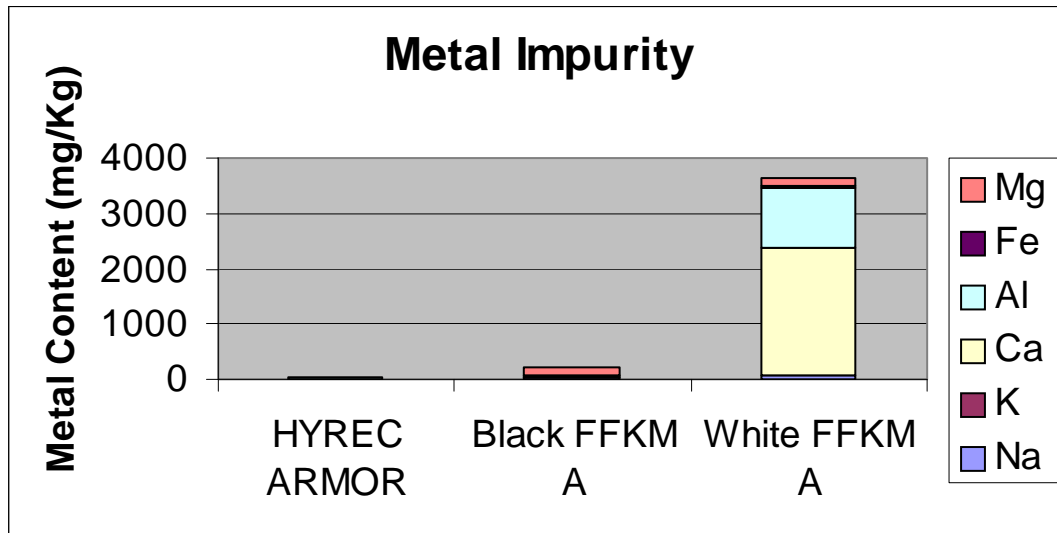
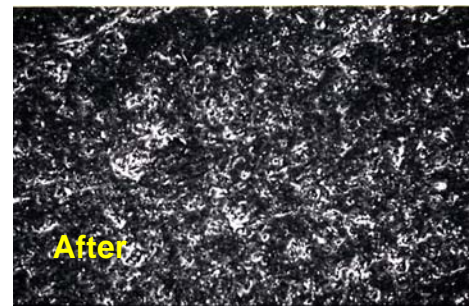
O-ring Size: AS568A-207 Gas: Cl₂+BCl₃+Ar Plasma Power: 1,000~1,500W Temp: 100~200°C
 Evaluation Period: (HYREC ARMOR) 2 months (Competitor) 1.5 months



HYREC ARMOR™



Competitor
Perfluoroelastomer
White



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