ULTIC ARMOR - FTM



TYPICAL PROPERTIES

Color	Hardness (Shore A)	Tensile strength (MPa)	Elongation (%)	Modulus 100% elongation (MPa)	Service temperature range	Compression Set (%)
Midnight Blue	67	12.4	140	5.4	~200°C	28

Compression Set: After squeezing 25% at 200°C x 72 hours

Above values are actual measurements, not standards.

Features

Heat & Radical Resistance
Low Adhesion to Quartz & Metal
Low Metallic Impurities
Low Compression Set
Excellent Crack Resistance
Excellent Seal Ability for Dynamic Seal Location

Applications

All CVD Applications

Dry Etch Equipment

Plasma Ashing Equipment



Radical Exposure Test ~Anti-cracking property~

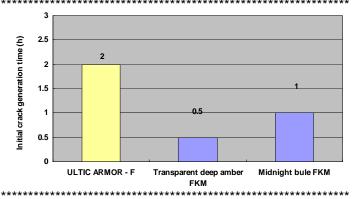
Test conditions

Equipment: Parallel flat plasma tool

Plasma power: RF300W Gas: O2+CF4 (190 : 10)

Irradiation condition: Down flow attack

Test piece: AS568A-214 with 28% stretching condition

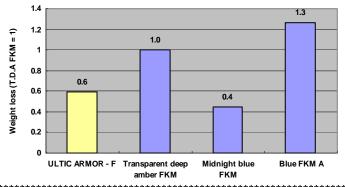


Radical Exposure Test ~Weight loss~

Test conditions

Equipment: Parallel flat plasma tool

Plasma power: RF300W Gas: O2+CF4 (190 : 10) Irradiation condition: 6hours down flow attack Test piece: AS568A-214 with 0% stretching condition



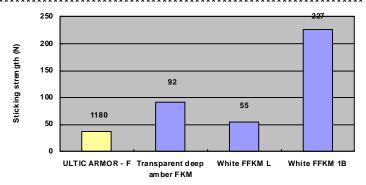
Sticking Strength

Test conditions

Temperature: 60°C Heating time: 72h

Compression ratio: 15% Test piece: AS568-214

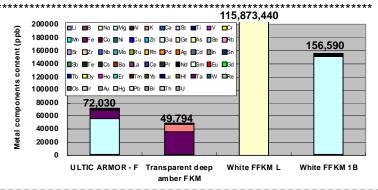
Counter face: Anodized aluminum



Inorganic components content

Test conditions

Measuring method: ICP/ MS analysis Inorganic elements (Total of 62 elements)



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