

DC156™



- having improved anti-cracking and plasma + radical resistance characteristics with excellent low-adhesion property, comparing to the general fluoro-elastomers

TYPICAL PROPERTIES

Color	Hardness (Shore A)	Tensile strength (MPa)	Elongation (%)	Modulus 100% elongation (MPa)	Service temperature range	Compression Set (%)
Midnight Blue	62	12.1	250	1.5	~200°C	25%

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

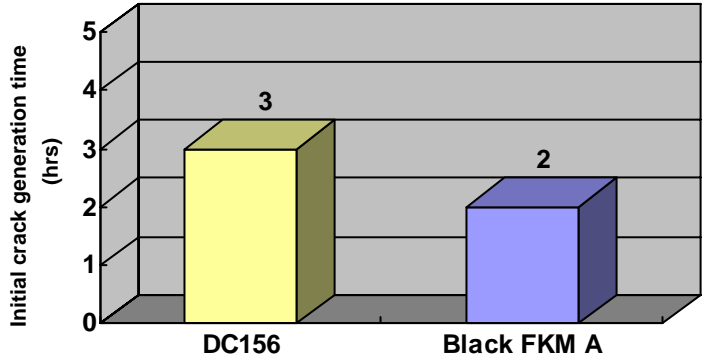
Above values are actual measurements, not standards.



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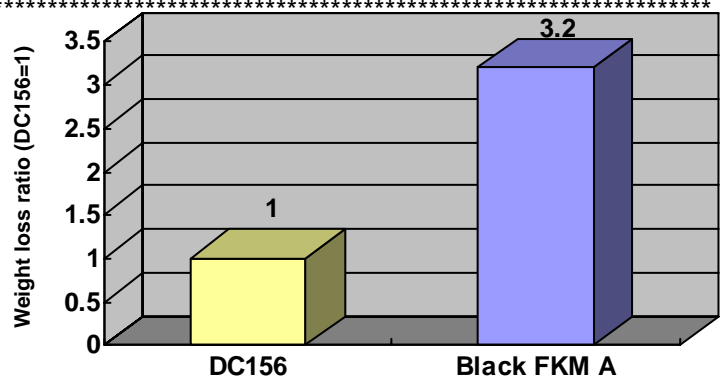
Radical Exposure Test ~Anti-cracking property~

Test conditions
 Equipment: Parallel flat plasma tool
 Plasma power: RF300W Gas: O2+CF4 (196 : 4)
 Irradiation condition: Down flow attack
 Test piece: AS568A-214 with 28% stretching condition



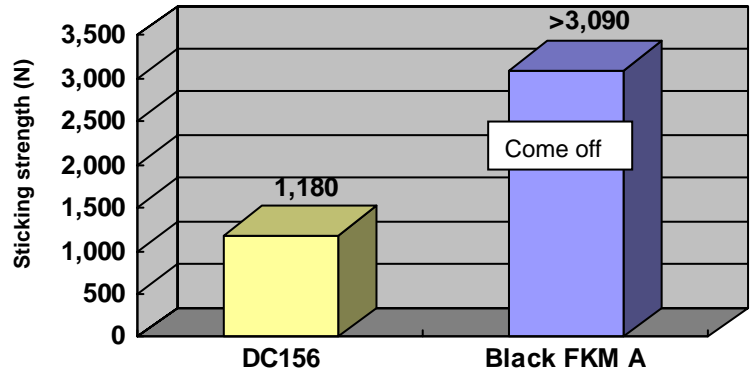
Radical Exposure Test ~Weight loss~

Test conditions
 Equipment: Parallel flat plasma tool
 Plasma power: RF300W Gas: O2+CF4 (196 : 4)
 Irradiation condition: 6hours down flow attack
 Test piece: AS568A-214 with 0% stretching condition



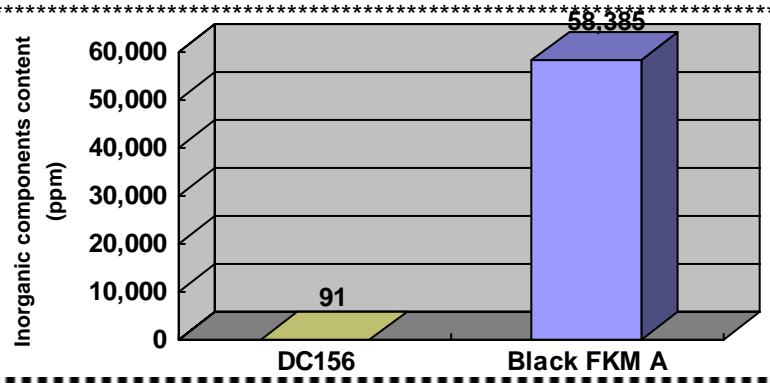
Sticking Strength

Test conditions
 Temperature: 80°C
 Heating time: 72h
 Test piece: AS568-270 O-ring
 Counter face: Anodized aluminum



Inorganic components content

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



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VALQUA KOREA Co., Ltd.
<http://www.valqua.co.kr>

Contact:
 VALQUA KOREA Co., Ltd.
 Bookook Securities B/D#602, 34-2 Yeuido-Dong,
 Yeongdeungpo-Gu, Seoul, Korea (150-995)
 Tel: +82-2-786-6718, Fax: +82-2-786-6719