

# VALQUA BONDED GATE SEAL

*~Ultimate transfer gate valve seal~*



## Feature and Application

Seal Material	Color	Main Application	Feature
ULTIC ARMOR	Transparent Amber	CVD	High purity Particle free No metal to metal contact Eliminated exposure surface of seal material to plasma
FLID	Black	PVD, Loadlock gate	Abrasion resistance No metal to metal contact Eliminated exposure surface of seal material to plasma

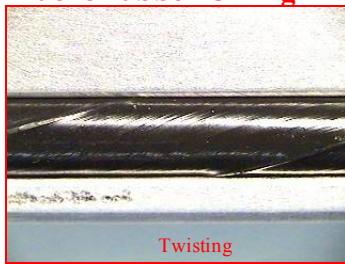
## Example of Actual Equipment Evaluation

Equipment: PVD  
Location: Gate      Gas: N<sub>2</sub>, Ar  
Temp.: R.T.      Wafer count: Approx.15,000

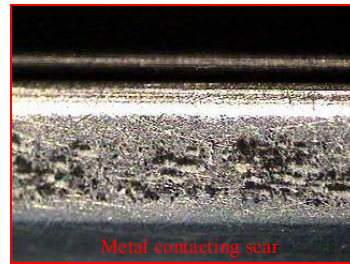
### Fluoro rubber O-ring



Entire view

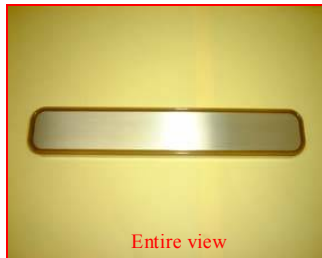


Twisting

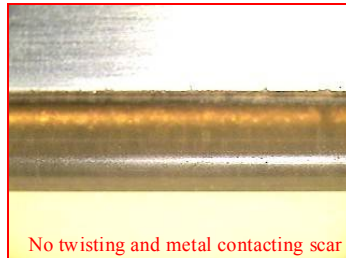


Metal contacting scar

### ULTIC ARMOR BONDED GATE SEAL



Entire view



No twisting and metal contacting scar



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## Seal Material Information

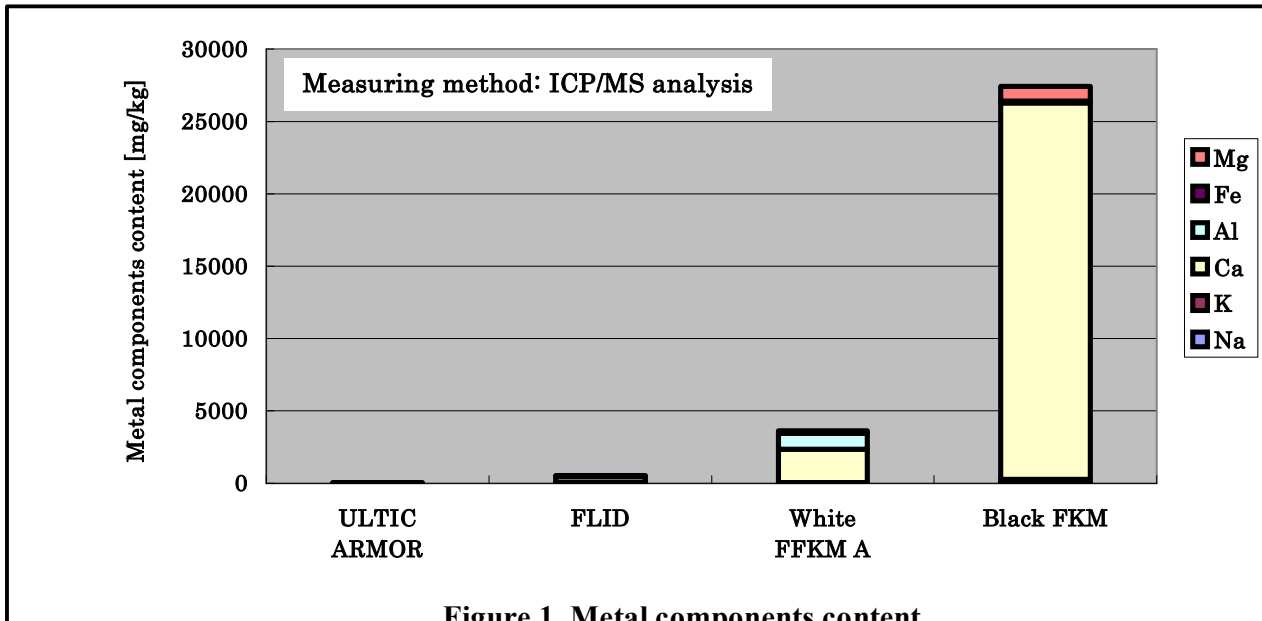


Figure 1. Metal components content

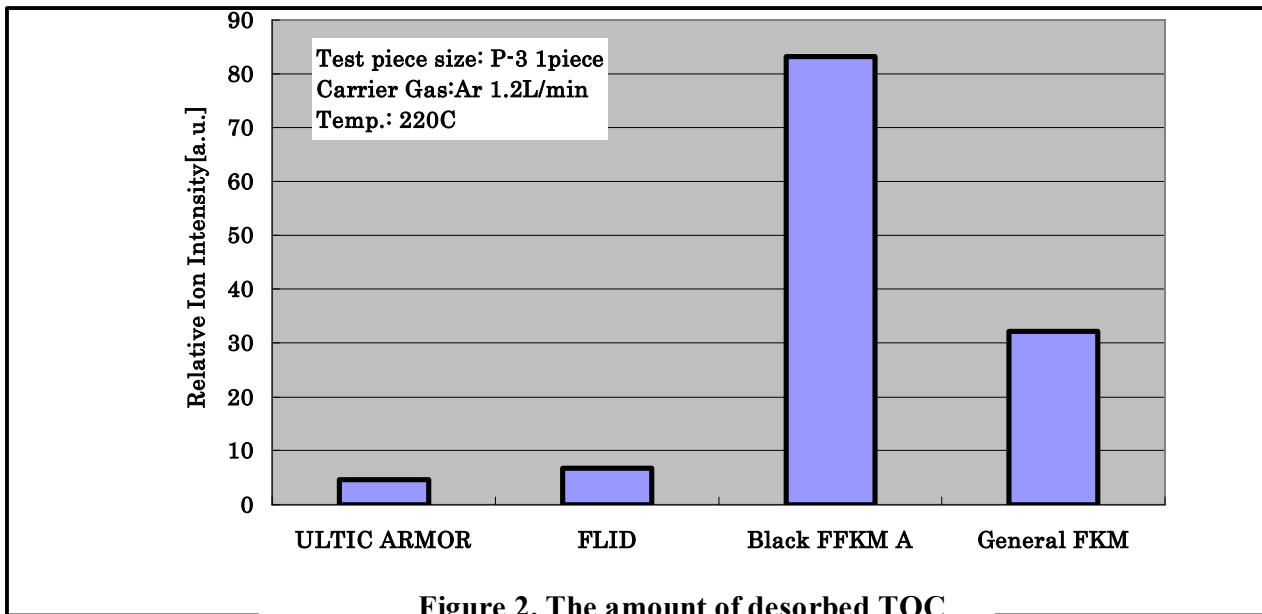


Figure 2. The amount of desorbed TOC

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