

# VALQUA Semiconductor Industry Products

## FLUORITZ™-T20

High Performance Elastomer FFKM O-Ring

### ❖ Product & Benefits

**FLUORITZ™-T20** is Valqua's choice for dynamic applications requiring FFKM performance. Also available in bonded form, FLUORITZ™-T20's radical superior radical resistance make it appropriate for harsh plasma environments.

### ❖ Featured Benefits

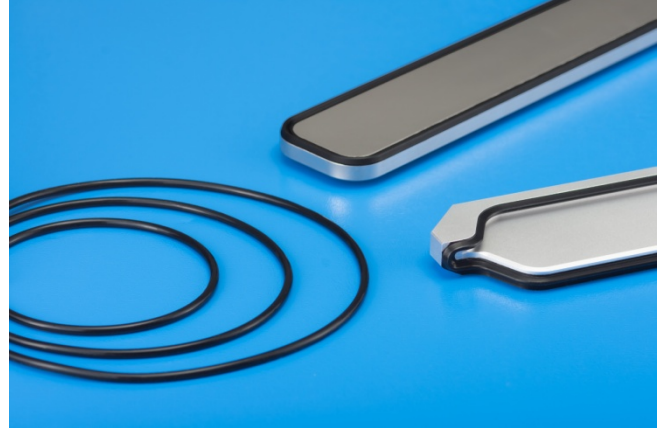
- Valqua's Harder FFKM for Dynamic Applications Requiring Very High Purity and Radical Resistance
- Available in Bonded Form for Gate Seals

### ❖ Applications

- Plasma Enhanced CVD Equipment
- Low Pressure CVD Equipment

### ❖ Contact Us

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### ❖ Typical Properties

Color	Black
Hardness (Shore A)	80
Tensile Strength (MPa)	11.3
Elongation (%)	170
Modulus 100% Elongation (MPa)	5.5
Maximum Temperature (°C)	260
Compression Set (%)	26

*Compression Set: 25% compression at 200°C for 72 hours  
Values above are actual measurements, not standards*

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# Additional information

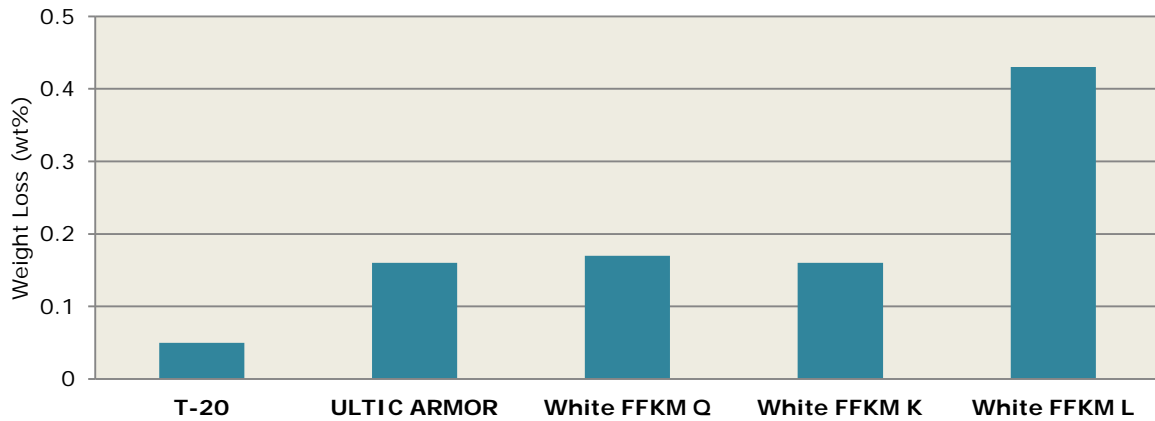
# FLUORITZ™-T20

VALQUA AMERICA, INC.

## ❖ Mechanical Properties

### Radical Exposure Test (Weight loss)

Test Conditions		
<b>Microwave Power:</b> 900 W	<b>RF Power:</b> 0 KW	<b>Pressure:</b> 800 mmTorr
<b>Temperature:</b> 140 °C	<b>Test Piece Size:</b> Quarter Cut	<b>Test Time:</b> 60 min.
<b>Gas Control:</b> NF3 (580 sccm), Ar (400 sccm)		



### Inorganic Components Content

Test Conditions
<b>Measuring method:</b> ICP/MS analysis
<b>Inorganic elements:</b> Total of 62 elements

