



Manufacturer of TFE-O-SIL[®] O-Rings & Gaskets Since 1976
FEP & PFA Encapsulated Silicone, Fluoroelastomer & EPDM

SILICONE – 70 DUROMETER

ZZ-R-765 Class 2A & 2B Grade 70
FDA Conforming – Title 21 CFR 177.2600

Original Properties	ASTM D2000 Test Method	Requirement	Result
Durometer, Shore A	D2240	70 $\pm$ 5	70
Tensile strength, psi	D 412	650	740
Elongation, %	D 412	125	175

Heat Aged 70 Hours @ 225°C (437°F)

Durometer change, pts., max.	D2240	$\pm$ 10	+ 6
Tensile change, %, max.	D 573	- 25	-18
Elongation change, %, max.	D 573	- 40	-32

Compression Set 22 Hours @ 175°C (347°F)

% of original deflection, max.	D 395	25	14
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Low Temperature Brittleness

3 minutes @ -55°C	D2137	non-brittle	Pass
Brittle point, °C (°F)	D2137	-	-73°C (-100°F)

Temperature Range °C (°F) -55° to + 260°C (-67° to + 500°F)

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