



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

SILICONE – 70 DUROMETER EXTREME LOW TEMPERATURE

ZZ-R-765 Class 1A & 1B Grade 70

Original Properties	ASTM D2000 Test Method	Requirement	Result
Durometer, Shore A	D2240	70 $\pm$ 5	70
Tensile strength, psi	D 412	600	875
Elongation, %	D 412	125	180

Heat Aged 70 Hours @ 225°C (437°F)

Durometer change, pts., max.	D2240	$\pm$ 15	+ 6
Tensile change, %, max.	D 573	- 30	-14
Elongation change, %, max.	D 573	- 50	-24

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

% of original deflection, max.	D 395	40	12
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Low Temperature Brittleness

3 minutes @ -55°C	D2137	non-brittle	Pass
Brittle point, °C (°F)	D2137	-75°C (-103°F)	-116°C (-177°F)

Temperature Range °C (°F) -100 to + 260°C (-148° to + 500°F)

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