



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

SILICONE – 55 DUROMETER

Cam & Groove Coupling Compound

ZZ-R-765 Class 2A & 2B Grade 50
FDA Conforming – Title 21 CFR 177.2600

Original Properties	ASTM D2000 Test Method	Requirement	Result
Durometer, Shore A	D2240	55 ± 5	55
Tensile strength, psi	D 412	700	780
Elongation, %	D 412	200	450
Heat Aged 70 Hours @ 225°C (437°F)			
Durometer change, pts., max.	D2240	± 10	+ 5
Tensile change, %, max.	D 573	- 20	-15
Elongation change, %, max.	D 573	- 40	-29
Compression Set 22 Hours @ 175°C (347°F)			
% of original deflection, max.	D 395	25	18
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)		