

# Data Sheet: S70 FDA (Vulcanised Jointed Rings)

## MATERIAL: SILICONE 70 SHORE FDA FOR VULCANISED JOINTED RINGS (FDA 21 CFR 1772600)

Excellent resistance to Weathering. High gas permeability resistance.

**COLOUR:** RED

**GENERAL SERVICE TEMPERATURE RANGE:** -60°C to +220°C continuous (+250°C peak)

PHYSICAL PROPERTIES	REQUIREMENT	TEST RESULT
SPECIFIC GRAVITY	ASTM D257 TOLERANCE $\pm 0.05$	1.60
DUROMETER SHORE A	ISO 7619-1 TOLERANCE $\pm 5^\circ$	70
ELONGATION %	DIN 53504 TOLERANCE $\pm 25\%$	150
TENSILE STRENGTH MPa	DIN 53504 TOLERANCE $\pm 25\%$	7.0

### COMPRESSION SET

22 hrs @ 175°C, %	ISO 815-1 TOLERANCE $\pm 25\%$	15%
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### FLUID IMMERSION, OIL NO 3, 70 hrs @ 150°C ASTM D471

VOLUME CHANGE %		+35
TENSILE STRENGTH CHANGE %		0
HARDNESS CHANGE, SHORE A PTS		-22
ELONGATION @ BREAK CHANGE, %		-1.75

*The above test results are based on test slabs / buttons. The results from the actual parts may be different.*

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