

# Data Sheet: S70R (Extruded Cord)

## MATERIAL: SILICONE 70 SHORE FOR EXTRUDED CORD (FDA COMPLIANT TO CFR 21 177-2600)

COLOUR: RED

GENERAL SERVICE TEMPERATURE RANGE: -55°C to 225°C

PHYSICAL PROPERTIES	TEST METHOD	TEST RESULT
DENSITY @ 20°C G/CM <sup>2</sup>	ISO1183-1 A	1.18

### 1.5% CURING AGENT E

10 MINS @ 135°C POST CURE 4 hrs @ 200°C

HARDNESS SHORE A	DIN53505	70
TENSILE STRENGTH, N/mm <sup>2</sup>	DIN53504 S 1	11
ELONGATION AT BREAK %	DIN53504 S 1	440
TEAR STRENGTH N/mm	ASTM D624B	26
REBOUND RESILIENCE %	DIN53512	53

COMPRESSION SET, METHOD B

22 hrs @ 175°C %	DIN ISO815-B	40
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### 0.7% CURING AGENT C1

15 MINS @ 155°C POST CURE 4 hrs @ 200°C

HARDNESS SHORE A	DIN53505	71
TENSILE STRENGTH, N/mm <sup>2</sup>	DIN53504 S 1	11
ELONGATION AT BREAK %	DIN53504 S 1	530
TEAR STRENGTH N/mm	ASTM D624B	31
REBOUND RESILIENCE %	DIN53512	51

COMPRESSION SET, METHOD B

22 hrs @ 175°C %	DIN ISO815-B	22
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*The above test results are based on test slabs / buttons. The results from the actual parts may be different.*

Issue Date: 21.02.2013