



Overview

SI700R82 is an orange, Peroxide cured, 70 shore A Silicone VMQ rubber manufactured per AMS 3304, AMS 7268, A-A-59588 (2A-70), A-A-59588 (2B-70). Compare to Parker S0604-70.

Features & Benefits

- AMS 3304, AMS 7268, A-A-59588 (2A-70), A-A-59588 (2B-70). Comparable to Parker S0604-70
- Good resistance to ozone, detergent, salt water, vegetable, and animal oils and much more.

Service Temperature

- 54°C to 315°C (-65°F to 600F)

Specification

- ASTM D 2000 7GE707 A19 B37 EA14 E016 E036 G11 F19

Test Data

Table 1. Physical Properties		
Test	Requirements	Results
Color	Orange	Orange
Hardness, Shore A	70+/-5	71
Tensile Strength, psi (MPa)	725 min	1300 (9)
Elongation	150% min	332%
Specific Gravity, g/cm ³		1.22



Table 2. A19 - Heat Aging - 70 hrs at 225°C

Test (Change)	Requirements	Results
Hardness, Shore A	+10 max	+3
Tensile Strength, %	-25 max	-19
Elongation, %	-30 max	-28

Table 3. B37 - Compression Set - 22 hrs at 175°C

Test (Change)	Requirements	Results
Permanent Set, %	30 max	19

Table 4. E016 - IRM 901 Oil Resistance - 70 hrs at 150°C

Test (Change)	Requirements	Results
Hardness, Shore A	-15 to 0	-4
Tensile Strength, %	-20 max	-13
Elongation, %	-20 max	-16
Volume, %	0 to +15	+7

Table 5. E036 - IRM 903 Oil Resistance - 70 hrs at 150°C

Test (Change)	Requirements	Results
Hardness, Shore A	-40 max	-18
Volume, %	+60 max	+42

Table 6. F19 - Low Temp Brittleness Test - 3 mins at -55°C

Test (Change)	Requirements	Results
Brittleness	Non-Brittle	Non-Brittle