

Overview

SI30TR02 is a translucent FDA compliant, 30 shore A Silicone VMQ rubber designed for use in food and a wide range of industry applications.

Features & Benefits

- FDA compliant to 21 CFR 177.2600
- Good resistance to ozone, detergent, salt water, vegetable, and animal oils and much more.
- Available in a variety of colors and durometers and shapes.

Service Temperature

- -60°C to 205°C (-75°F to 401F)

Specification

- ASTM D2000 M2GE306 EA14 E016

Test Data

Table 1. Physical Properties

Test	Requirements	Results
Color	Translucent	Translucent
Hardness, Shore A	30+/-5	32
Tensile Strength, psi (MPa)	870 min (6.6)	960
Elongation	400% min	610%
Specific Gravity, g/cm ³		1.09



Table 2. Heat Aging – 70 hrs at 225°C

Test (Change)	Requirements	Results
Hardness, Shore A	+10 max	+2
Tensile Strength, %	N/A	-35
Elongation, %	-30 max	-22

Table 3. Compression Set – 22 hrs at 175°C

Test (Change)	Requirements	Results
Permanent Set, %	N/A	33

Table 4. EA14 – Water Resistance – 70 hrs at 100°C

Test (Change)	Requirements	Results
Hardness, Shore A	-5 to +5	+3
Volume, %	-5 to +5	+0.2

Table 5. E016 – IRM 901 Oil Resistance – 70 hrs at 150°C

Test (Change)	Requirements	Results
Hardness, Shore A	-10 to 0	-5
Tensile Strength, %	-30 max	+2
Elongation, %	-30 max	-5
Volume, %	0 to +15	+3

Looking for specific chemical compatibilities or desire more material information? [Please Contact Us!](#)