

(800) 775-6525 Fax: (800) 421-2923 engineering@marcorubber.com www.marcorubber.com

# Marco Compound # S1090 80 Durometer, Orange, High Temperature Silicone Technical Datasheet

# **Common Names:**

Silicone, VQM

# **General Description:**

Silicones are excellent seal materials for extreme temperature in static applications. Silicones can be synthesized with a wide variety of properties and compositions. Please contact <a href="mailto:engineering@marcorubber.com">engineering@marcorubber.com</a> for assistance in selecting a specialized compound when increased resistance to temperature, lubricants, or physical properties is required.

#### Features:

- High Temperature
- Excellent heat and compression resistance
- Excellent resistance to oxygen, ozone and sunlight
- Good chemical resistance
- Resistance to fungal and biological attack
- Flexible
- Good electrical insulation

## **Limitations**:

- This compound is not FDA compliant
- Not recommended for dynamic application
- Concentrated solvents, oils, concentrated acids, diluted sodium hydroxide.
- Poor abrasion resistance
- Low strength
- High gas permeability

## Service Temperature:

-65 to 572° F (-54 to 300° C)

## TYPICAL PHYSICAL PROPERTIES

THE TONE THE SIGNET ROLL ENTRES	
ORIGINAL PROPERTIES	TYPICAL VALUE
Hardness, Shore A	80 +/- 5
Color	Orange
Tensile Strength, psi	1,210
Ultimate Elongation, %	200
Specific Gravity	1.24

This information is to the best of our knowledge accurate and reliable. However, Marco Rubber makes no warranty, expressed or implied, that parts manufactured from this material will perform satisfactorily in the customer's application. It's the customer's responsibility to evaluate parts prior to use.