



## Marco Compound # S1175

### 70 Durometer, Red, Peroxide Cured, FDA & USP Class VI Compliant 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 [engineering@marcorubber.com](mailto:engineering@marcorubber.com) for assistance in selecting a specialized compound when increased resistance to temperature, lubricants, or physical properties is required.

#### **Features:**

- Peroxide Cure
- FDA and USP Class VI compliant
- 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:**

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

#### **Cure System:**

Peroxide

#### **Service Temperature:**

-65 to 450° F (-54 to 232° C)

#### **TYPICAL PHYSICAL PROPERTIES**

ORIGINAL PROPERTIES	Typical Test Results
Hardness, Shore A	70
Color	Red
Tensile Strength, psi	720
Ultimate Elongation, %	175
Compression Set, % (22 hrs @ 347°F)	16

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.