

**Marco Compound # S1183**  
**70 Durometer, FDA Compliant Blue Silicone**  
**Metal and X-Ray Detectable**  
**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:**

- Metal and X-Ray detectable
- FDA compliant per 21CFR177.2600. 3A and ADI Free compliant.
- Excellent heat and compression resistance
- Excellent resistance to oxygen, ozone and sunlight
- Good chemical resistance
- Resistance to fungal and biological attack
- Flexible

**Limitations:**

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

**Service Temperature:**

-67 to 450° F

**PHYSICAL PROPERTY STANDARDS**

<b>ORIGINAL PROPERTIES</b>	<b>ASTM D2000 Requirements</b>	<b>Typical Test Results</b>
Hardness, Shore A	70 +/- 5	71
Color	Blue	Blue
Tensile Strength, psi		1020
Ultimate Elongation, %		240
Specific Gravity		1.45
Compression Set – 22 Hrs @ 175C		12%

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.