



## Marco Compound # S1036

### 70 Durometer, Black, FDA Compliant

### 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. Marco compounds S1036 is a 70 durometer, black, FDA compliant compound. 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:**

- FDA 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

#### **Service Temperature:**

-65 to 400° F (-54 to 205° C)

#### PHYSICAL PROPERTY STANDARDS

ORIGINAL PROPERTIES	ASTM D2000 Requirements	Typical Test Results
Hardness, Shore A	70 +/- 5	72
Color	Black	Black
Tensile Strength, MPa	6.0	7.3
Ultimate Elongation, %	150	210
Specific Gravity	-----	1.32

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.

<b>HEAT RESISTANCE – ASTM D 573 (70 hrs. @ 225°C)</b>	<b>ASTM D2000 Requirements</b>	<b>Typical Test Results</b>
Hardness Change, points, Shore A	+15 max.	+2
Tensile Strength Change, %, max.	-45 max.	-18
Ultimate Elongation Change, %, max.	-45 max.	-15

<b>COMPRESSION SET – ASTM D 395 (22 hrs. @ 150°C)</b>	<b>ASTM D2000 Requirements</b>	<b>Typical Test Results</b>
Permanent Set, %, max.	-----	7

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