



## Marco Compound # S1146

### 70 Durometer, White, FDA, USP Class VI 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 [sales@newtopsrinjection.com](mailto:sales@newtopsrinjection.com) for assistance in selecting a specialized compound when increased resistance to temperature, lubricants, or physical properties is required.

**Features:**

- Excellent heat and compression resistance
- Excellent resistance to oxygen, ozone and sunlight
- Good chemical resistance. Resistance to fungal and biological attack
- Manufactured and packaged in a clean room

**Limitations:**

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

**Service Temperature:**

-75 to 480° F

**Specification:**

USA Pharmacopeia (USP), Class VI  
 European Pharmacopeia (EP) (Ph. Eur.)  
 EP – Substances soluble in Hexane  
 FDA 21 CFR177.2600

#### TYPICAL PHYSICAL PROPERTIES

ORIGINAL PROPERTIES	Units	Typical Test Results
Material Hardness	Shore A	70
Color		White
Tensile Strength	psi	1,010
Ultimate Elongation	%	280
Compression Set, Method B; 24 hrs @70° C (158° F)		20
Low Temperature Resistance; Non-brittle after 3 minutes at -60° C	°C	-60