Request a Quote

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Marco Compound # S1166
50 Durometer, Blue, FDA, USP Class VI Silicone
Technical Datasheet

Common Names:
Silicone, VQM

General Description:
Silicones are excellent seal materials for extreme temperature in static applications. Marco S1166 compound is specifically formulated for use in food and pharmacology industries. Silicones can be synthesized with a wide variety of properties and compositions. Please contact engineering@marcorubber.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	50
Color		Blue
Tensile Strength	psi	1,269
Ultimate Elongation	%	847
Specific Gravity		1.12