Request a Quote

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Marco Compound # S1035

50 Durometer, Clear, FDA & USP Class V & VI 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. Please contact engineering@marcorubber.com for assistance in selecting a specialized compound when increased resistance to temperature, lubricants, or physical properties is required.

Features:
- FDA & USP Class V & VI compliant
- ADI free and REACH compliant
- Excellent heat and compression resistance, excellent resistance to oxygen, ozone and sunlight
- Good chemical resistance, resistance to fungal and biological attack, 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)

TYPICAL PHYSICAL PROPERTIES

ORIGINAL PROPERTIES	Typical Test Results
Hardness, Shore A	50
Color	Clear
Tensile Strength, psi	1,270
Ultimate Elongation, %	850
Specific Gravity	1.12
Tear Resistance, Die B, ppi	216
30-Day implant, Per USP Class VI	Passed
Skin Sensitization	Passed
Cytotoxicity	Passed