



Marco Compound # S1082

45 Durometer, Translucent, Platinum Cured, FDA & USP Class VI Compliant 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. Marco compound S1082 is platinum cured and specifically formulated to have a soft 45A durometer and is FDA and USP Class VI compliant. 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 VI compliant
- Excellent heat and compression resistance
- Excellent resistance to oxygen, ozone and sunlight
- Good chemical resistance
- Resistance to fungal and biological attack
- Available in lower durometers
- Platinum cure

Limitations:

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

Cure System:

Platinum

Service Temperature:

-65 to 400° F (-55 to 204°C)

PHYSICAL PROPERTY STANDARDS

ORIGINAL PROPERTIES	Typical Test Results
Hardness, Shore A	47
Color	Translucent
Tensile Strength, psi	850
Ultimate Elongation, %	400
Specific Gravity	1.35

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.