Request a Quote

(800) 775-6525 Fax: (800) 421-2923
engineering@marcorubber.com
www.marcorubber.com

Marco Compound # S1200
70 Durometer, Yellow, 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. 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 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	Typical Test Results
Hardness, Shore A – ASTM D42240	71
Color	Yellow
Tensile Strength, MPa – ASTM D412	8.8
Ultimate Elongation, % - ASTM D412	410
Specific Gravity (g/cm3)	1.22
Tear Strength (KN/mm) DIE C – ASTM D 624	32

Request a Quote

HEAT RESISTANCE – ASTM D 573 (70 hrs. @ 200°C)	**Typical Test Results**
Hardness Change, points, Shore A	+4
Tensile Strength Change, %, max.	-14
Ultimate Elongation Change, %, max.	-25.4

COMPRESSION SET – ASTM D395 (22 hrs. @ 150°C)	**Typical Test Results**
Permanent Set, %, max.	16