(800) 775-6525
sales@marcorubber.com
www.marcorubber.com

Marco Compound # S1081
65 Durometer, Dark Gray, Conductive 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@marcorubber.com for assistance in selecting a specialized compound when increased resistance to temperature, lubricants, or physical properties is required.

Features:
- Nickel coated graphite filled
- Electrically conductive
- Excellent heat and compression resistance
- Excellent resistance to oxygen, ozone and sunlight

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

Service Temperature:
-67 to 302° F (-55 to 150° C)

Typical Physical Properties

ORIGINAL PROPERTIES	Test Method	Typical Test Results
Conductive Filler		Nickel Graphite
Conductive Filler Abbreviation		Ni/C
Elastomer Binder		Silicone
Color		Dark Gray
Operating Temp Range, °C	ASTM D1329	-55/+150
Compression Set 70 hrs @ 100° C, %	ASTM D395	35
Durometer, Shore A	ASTM D2240	65
Tensile Strength, psi	ASTM D 412	150
Elongation, % Min	ASTM D 412	100
Tear Strength, lb/in (KN/M) Min	ASTM D 624	50 (8.75)
Specific Gravity (+/- 0.25)	ASTM D 792	2.00

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SHIELDING EFFECTIVENESS	Test Method	Typical Test Results
100 MHz, dB Min	Mil-DTL 83528	100
500 MHz, dB Min	Mil-DTL 83528	100
2 GHz, dB Min	Mil-DTL 83528	100
10 GHz, dB Min	Mil-DTL 83528	100
Volume Resistivity	Mil-DTL 83528	.10

Date: 2016-7-1