

# VMQ/600



Material Data Sheet

Compound

VMQ/600

Rev.2

Designation

VMQ/S

March. 2009

**Material type:** Platinum cured Silicone Rubber 70 Shore A.

Extraction tested by independent laboratory in accordance with FDA CFR21:177.2600 and for biological response according to USP Class VI. Also complies with the requirements of NSF 61 and 3-A 18-03 Sanitary Standards Class IV.



**Color:**

Translucent

**Temperature Range:**

Min. -60°C Max. +200°C

**Storage recommendation:**

According to ISO 2230

**Specification:**

ASTM D2000 M7GE 705 Z1 Z2 A19 B37 EA14 E016 E036

<b>705 Physical Properties</b>	<b>Unit</b>	<b>Test method</b>	<b>Value</b>
Hardness, Shore A	pts	D2240	72.10
Tensile strength	MPa	D412	5.64
Ultimate Elongation	%	D412	215.70
Modulus at 100%	MPa	D412	3.04
Specific gravity		D297	1.21
<b>A 19 Heat Resistance, 70h at 225°C</b>			
Change in Hardness	pts	D573	5.70
Change in Tensile strength	%	D573	-16.00
Change in Ultimate Elongation	%	D573	-53.80
Change in Volume	%	D573	-2.31
<b>B 37 Compression set, Method B</b>			
22h at 175°C	%	D395	18.87
<b>EA 14 Water Resistance, 70h at 100°C</b>			
Change in Hardness	pts	D471	-1.40
Change in Tensile strength	%	D471	0.40
Change in Ultimate Elongation	%	D471	-26.00
Change in Volume	%	D471	-1.29
<b>E 016 Oil Resistance, 70h at 150°C, ASTM OIL No. 1</b>			
Change in Hardness	pts	D471	-1.70
Change in Tensile strength	%	D471	-3.10
Change in Ultimate Elongation	%	D471	-30.60
Change in Volume	%	D471	-3.88
<b>E 036 Oil Resistance, 70h at 150°C, ASTM OIL IRM 903</b>			
Change in Hardness	pts	D471	-17.30
Change in Tensile strength	%	D471	-14.70
Change in Ultimate Elongation	%	D471	-36.40
Change in Volume	%	D471	-54.11

The results given in this datasheet are obtained on standard specimen following standard test procedures and are not comparable to finished products due to differences in the products profile. It is the customer's responsibility to evaluate parts prior to use in order to assure that parts will perform satisfactorily in their application.