


VMQ/600				 - Part of Diploma PLC
Material Data Sheet	Compound	S7073F	Rev.6	
	Designation	VMQ/600	Oct. 2021	

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 30, NF25, <88> Class VI 70°

Also complies with the requirements of NSF 61 and 3-A 18-03 Sanitary Standards Class I (tensile ClassII)

In accordance with EU1935/2004 and European Pharmacopoeia 9th. ed. 2019 (9.6) Chapter 3.1.9

Color: Translucent

Temperature Range: Min. -60°C Max. +200°C

Storage recommendation: According to ISO 2230

Physical Properties	Unit	Test method	Value
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
Heat Resistance, 70h at 225°C			
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
Compression set, Method B			
22h at 175°C	%	D395	18.87
Water Resistance, 70h at 100°C			
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
Oil Resistance, 70h at 150°C, ASTM OIL No. 1			
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
Oil Resistance, 70h at 150°C, ASTM OIL IRM 903			
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

For USP class VI approval, we refer to Toxikon report no. 07-2541-G1, raw material SILICONE S7073F
For FDA Migration test we refer to SGS report CY/2014/80931
European Pharmacopoeia 9th. ed. 2019 (9.6) Chapter 3.1.9 Report TE190267/19-B0801
3A 18-03 test: Cerisie report RP670-C-2021