


VMQ/001				 - Part of Diploma PLC
Material Data Sheet	Compound	S7001F	Rev.1	
	Designation	SIL	Mar 2022	

Material type: Silicone rubber 70 shore A. Peroxide cured

Extraction tested by independent laboratory in accordance with FDA CFR21:177.2600

Conforming to GB 4806.11-2016

In compliance with EU1935/2004

Color: Transparent

Temperature range: -60°C to +200°C

Storage recommendation: According to ISO 2230

Physical Properties	Unit	Test method	Requirement	Actual
Hardness, Shore A	pts	ASTM D2240	70 +/-5	
Tensile strength	MPa	ASTM D412C	>6	
Ultimate Elongation	%	ASTM D412 C	>150	
Density	g/cm ³	DIN 1183	1,2+/-0,03	

Compression set, Method B				
22h at 175°C	%	ASTM D395B	<25	

Heat resistance 70h 225°C				
Change in hardness	pts	ASTM D573	<10	
Change in tensile strength	MPa	ASTM D573	<-25	
Change in ultimate Elongation	%	ASTM D573	<-30	

For FDA test of Migration, we refer to SGS report no. CT/2015/80179

For GB 4806.11, we refer to DPTC report FCM1724105