

# MATERIAL DATA SHEET



**SIL70 (Silicone, VMQ, PMQ)**  
**Colour – Red**

Properties	Testing Method	Testing Parameter	Value	Units
Hardness	ASTM D 2240	-	70 +/- 5	Shore A
Tensile Strength	ASTM D 412 C	-	6	N/mm <sup>2</sup>
Ultimate Elongation	ASTM D 412 C	-	200	%
Tear Resistance	ASTM D 624 C	-	14	N/mm
	ASTM D 1329	TR10	-41	°C
Low Temp Ability	ASTM D 2137	3 Min / -55°C	Pass	
Compression Set	ASTM D 395 B	22 h / 175°C	23	%

Changes of properties after ageing acc. to ASTM D471 / 573 in:

Medium	Volume %	Hardness	Tensile Strength %	Ultimate Elongation %
Air				
70h / 100°C	-	+4	-15	-20
ASTM Oil No. 1				
70h / 150°C	+6	-6	-11	-18
ASTM Oil No. 3				
70h / 150°C	+40	-20	-22	-25

*The results included in this Data sheet were obtained on standard test specimens following test procedures. Comparisons with results obtained on finished products, e.g. O-rings, could lead to other results due to differences in geometry and manufacturing processes. These other results do therefore not automatically contravene the data of this sheet. The evaluation of parts prior to their use in order to ensure their suitability for the application to the end users responsibility.*