

Manufacturer of Seals for Hydraulic, Pneumatic and Rotary applications

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## Material : Silicone Rubber (VMQ)

**Spareage Code : SL 4B FG      Colour : Green**

**Grade : Rubber for Food Contact Applications.**

1) *Spareage Food Grade Compounds were successfully tested at IRMRA [A NABL(ISO-17025-2005) Accredited Laboratory] referring to US-FDA-177-2600.Clause(F).*

2) *All ingredients used in forming the compounds are from the reputed suppliers & food grade certified.*

Revision date : 01/10/2011

Physical properties As per BS 5176, Grade-II	nominal	actual	units
<b>Hardness</b> BS 903 A 26, 23 °C	70-75	72	Shore A
<b>Tensile strength</b> BS 903 A 2, 23 °C	> 51	70	Kg/Cm <sup>2</sup>
<b>Elongation at break</b> BS 903 A 2, 23 °C	> 250	400	%
<b>Compression set</b> BS 903 A 6, 175 °C, 22 h, 25 %	< 40	23	%
<b>Air Ageing</b> BS 903 A 19, 225 °C, 70 h			
<b>Hardness Change</b>	<(±10)	2	Points
<b>Tensile Change</b>	<(-40)	-21.4	%
<b>Elongation Change</b>	<(-40)	-20	%
<b>Fluid Resistance, ASTM Oil-1</b> BS 903 A 16, 150 °C, 70 h			
<b>Hardness Change</b>	<(-15)	-3	Points
<b>Tensile Change</b>	<(-50)	-22.5	%
<b>Elongation Change</b>	<(-30)	-15.4	%
<b>Volume Change</b>	<(±20)	4.3	%
<b>Water Resistance,</b> BS 903 A 16, 100 °C, 70 h			
<b>Hardness Change</b>	<(±5)	2	Points
<b>Volume Change</b>	<(±5)	1.3	%
<b>Specific Gravity</b>	---	1.35	Gm/cc