



## MATERIAL DATA SHEET

Material ref: S4151

Description: 50 duro Silicone/Red/Food Grade

<u>PHYSICAL PROPERTIES</u>	<u>TYPICAL</u>	<u>Result</u>
Hardness, Shore A	50+/-5	53
Tensile strength, PSI	725	1003
Elongation, %	250	341
Specific Gravity, g/cm3		1.153

<u>COMPRESSION SET (%)</u> (22 HOURS @ 150C)	50	22
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<u>Oil Resistance</u>		
<u>ASTM1/70hrs/150C</u>		
Hardness change,pts	0 to -15	-8
Tensile Change, %	-20 max	+14
Elong. Change, %	-20 max	+5
Volume change,%	0 to +15	+6

<u>Oil Resistance</u>		
<u>IRM903/70hrs/150C</u>		
Hardness change, pts	-35 max	-26
Tensile Change, %	+60 m ax	+55

<u>LOW TEMPERATURE</u>		
<u>RESISTANCE</u>		
(-55 C @ 3MINUTES) D2137 Method A	non-brittle	pass

**FORMULATED PER 21 CFR 177.2600**  
**ALL DATA DERIVED FROM TEST SLABS-NOT FINISHED PARTS**