



MATERIAL DATA SHEET

Material ref: S4188

Description: 70 duro Silicone, Transluscent

Meets: ASTM D2000 M7GE705 A19B37EA14EO16EO36F19

Z1-Self Lubricating-5% Polymethylphenyl Siloxane

Z2—FDA Conforming

Typical Properties

	Test Method	Unit of Measure	Nominal Value	Obtained Value
<u>Hardness</u>	ASTM D2240	Shore A	70+/-5	66
<u>Tensile Strength</u>	ASTM D 412C	Mpa	7.5+/-2.5	7.6
<u>Ult. Elongation</u>	ASTM D412C	%	325	378
<u>Specific Gravity</u>	ASTM D297	G/cm3		1.20
<u>Heat Resistance</u>				
<u>70 hrs @ 225C</u>	ASTM D573			
Hardness Change		Shore A	+/-10 max	+1
Tensile Change		%	-25 max	-8.16
Elong. Change		%	-30 max	+7.15
Vol change		%	-10 max	-1.75
<u>Compression Set</u>				
<u>22 hrs @ 175C</u>	ASTM 395B	%	15 max	13.41
<u>Oil Aging</u>	ASTM D471			
<u>ASTM 1 Oil</u>	70 hrs @ 150C			
Hardness Change		Shore A	+/-5	+2
Tensile Change		%	+/-35	-33
Elong. Change		%	+/-35	-29
Vol. Change		%	+/-7.5	+0.2
<u>Low Temp</u>				
<u>Brittleness</u>	ASTM D2137			
Non Brittle	3 min @ -55F			pass

ALL DATA IS DERIVED FROM ASTM SLABS AND BUTTONS