

## FLUOROSILICONE 70

SPECIFICATION - ASTM D2000 M2HK606 A19 FE31 EO36	Test	Spec	ASTM Method
<b>Original Properties</b>			
Hardness, shore A	68	70+/-5	D 2240
Tensile, strength, MPa	7.6	6	D 412
Elongation, %	285	150	D 412
<b>Heat Ageing, 70 hrs at 225°C</b>			<b>D 573</b>
Hardness Change, max, points	+1	-5/+10	
Tensile Change, max, %	-25	-25	
Elongation Change, max, %	-15	-25	
<b>Compression Set, Method B</b>			<b>D 395</b>
22 hrs at 175 deg c, max, %	6	40	
<b>Fuel C Resistance, 70 hrs at 23°C</b>			<b>D 471</b>
Hardness change, max points	-2	-	
Tensile Change, max, %	-6	-	
Elongation Change, max, %	+4	-	
Volume Change, max, %	+9	-	
<b>IRM 903 Oil Resistance, 70 hrs at 150°C</b>			<b>D 471</b>
Hardness change, max points	-2	-	
Tensile Change, max, %	-26	-	
Elongation Change, max, %	-6	-	
Volume Change, max, %	+10	-	
<b>Low Temperature Brittleness</b>			<b>D 471</b>
Tests after 3 mins at -55°C	pass	NONBRITTLE	
TR10	-56.3		

Compression Set = 70 hours at 100 C = 5%

Density is Specific Gravity = 1.46+/-0.03

Temperature ranges -60°C to +200°C

The above data is obtained through our own laboratory testing on slabs and buttons and als D2137

THESE RESULTS ARE FOR REFERENCE PURPOSES ONLY AND M SEALS MAKES NO WARRANTY, EXPRESSED OR IMPLIED, THAT PARTS MANUFACTURED IN THIS COMPOUND WILL PERFORM SATISFACTORILY IN THE CUSTOMER'S APPLICATION. IT IS THE CUSTOMER'S RESPONSIBILITY TO TEST PARTS PRIOR TO THEIR USE .