

## NITRILE 50

SPECIFICATION – ASTM D2000 M2BG507 A14 B14 EO14 EO34 F17		Test	Spec
<b>Physical Properties</b>			
<b>Press Cure at 170°C</b>			
Hardness, shore A		49	50 +/-5
Tensile, strength, MPa		8.4	7
Elongation, %		662	350
Specific Gravity		1.233	
<b>Heat Resistance at 100°C for 70 hrs</b>			
Hardness Change, points		+4	+/-15
Tensile Change, %		+1	+/-30
Elongation Change, %		-15	-50
<b>Compression Set, 100°C for 70 hrs</b>			
Compression set, %		9	25
<b>No.1 Oil Resistance at 100°C for 70 hrs</b>			
Hardness Change, points		+4	-5/+10
Tensile change, %		+16	-25
Elongation change, %		-9	-45
Volume Change, %		-2	-10/+5
<b>No.3 Oil Resistance at 100°C for 70 hrs</b>			
Hardness Change, points		-8	-10/+5
Tensile change, %		-13	-45
Elongation change, %		-18	-45
Volume change, %		+8	0/+25

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 .