

## NITRILE 70 FDA

SPECIFICATION – ASTM D2000 M2BG710 A14 B14 EO14 EO34 FOOD STANDARD GB4806.1-1994 21 CFR 177.1480	Test	Spec
<b>Physical Properties</b>		
<b>Press Cure at 170°C for 10 mins</b>		
<b>Post Cure at 120°C for 1 hr</b>		
Hardness, shore A	72	70 +/-5
Tensile, strength, MPa	13.8	10
Elongation, %	407	250
Specific Gravity	1.221	
<b>Heat Resistance at 100°C for 70 hrs</b>		
Hardness Change, points	+2	+/-15
Tensile Change, %	+4	+/-30
Elongation Change, %	-11	-50
<b>Compression Set, 100°C for 70 hrs</b>		
<b>Press Cure at 170°C for 12 mins</b>		
<b>Post Cure at 120°C for 1 hr</b>		
<b>Heat Ageing at 100°C for 22 hrs</b>		
	9	25
<b>ASTM No.1 Oil Immersion at 100°C for 70 hrs</b>		
Hardness Change, points	+2	-5/+10
Tensile strength change, %	+9	-25
Elongation strength change, %	-15	-45
Volume Change, %	-3	-10/+5
<b>ASTM IRM 903 Oil Immersion at 100°C for 70 hrs</b>		
Hardness Change, points	-10	-10/+5
Tensile change, %	-19	-45
Elongation change, %	-22	-45
Volume change, %	+17	0/+25
<b>Water Resistance at 100°C for 70 hrs</b>		
Hardness Change, points	-6	+/-10
Volume change %	+15	+/-15
<b>Low Temp Brittleness – Tests at -40°C for 3 mins</b>		
	Non brittle	

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