

NITRILE 70 FDA

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

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