

NITRILE 90

Operating Temp Range (-)30-(+)120°C

SPECIFICATION – ASTM D2000 M6BG910 A14 B14 EO14 EO34 F17	Test	Spec
Physical Properties		
Press Cure at 170°C for 10 mins		
Post Cure at 120°C for 1 hour		
Hardness, shore A	86	90 +/-5
Tensile, strength, MPa	12.5	10
Elongation, %	154	100
Specific Gravity	1.432	
Heat Resistance at 100°C for 70 hrs		
Hardness change, points	+3	+15
Tensile strength change, %	+14	-20
Elongation Change, %	-9	-40
Compression Set		
Press Cure at 170°C for 12 mins		
Post Cure at 120°C for 1 hr		
Heat Ageing at 100°C for 22 hrs	7	25
ASTM No.1 Oil Immersion at 100°C for 70 hrs		
Hardness Change, points	+5	-5/+15
Tensile change, %	+7	-25
Elongation change, %	-12	-45
Volume change, %	+3	-10/+5
ASTM IRM 903 Oil Immersion at 100°C for 70 hrs		
Hardness Change, points	-4	0/-20
Tensile strength change, %	+16	-45
Elongation change, %	-5	-45
Volume change, %	+18	0/+35

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