

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