M SEALS
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PEROXIDE CURED NITRILE 90

SPECIFICATION – ASTM D2000 M6BG910 A14 B14 EO14 EO34	Test	Spec
Physical Properties		
Press Cure at 170ºC for 10 mins		
Post Cure at 120ºC for 1 hour		
Hardness, shore A	89	90 +/-5
Tensile, strength, MPa	16.9	10
Elongation, %	171	100
Specific Gravity	1.257	
Heat Resistance at 100ºC for 70 hrs		
Hardness change, points	+2	+15
Tensile strength change, %	+7	-20
Elongation Change, %	-28	-40
Compression Set		
Press Cure at 170ºC for 12 mins		
Post Cure at 120ºC for 1 hr		
Heat Ageing at 100ºC for 22 hrs	10	25
ASTM No.1 Oil Immersion at 100ºC for 70 hrs		
Hardness Change, points	+2	-5/+15
Tensile change, %	+5	-25
Elongation change, %	-38	-45
Volume change, %	+3	-10/+5
ASTM IRM 903 Oil Immersion at 100ºC for 70 hrs		
Hardness Change, points	-10	0/-20
Tensile strength change, %	-5	-45
Elongation change, %	-16	-45
Volume change, %	+11	0/+35

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