

PEROXIDE CURED NITRILE 90

SPECIFICATION – ASTM D2000 M6BG910 A14 B14 EO14 EO34		Test	Spec
Physical Properties			
Press Cure at 170°C for 10 mins			
Post Cure at 120°C 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 100°C for 70 hrs			
Hardness change, points		+2	+15
Tensile strength change, %		+7	-20
Elongation Change, %		-28	-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		10	25
ASTM No.1 Oil Immersion at 100°C 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 100°C 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

THESE RESULTS ARE FOR REFERENCE PURPOSES ONLY AND M SEALS MAKES NO WARRANTY, EXPRESSED OR IMPLIED, THAT PARTS MANUFACTURED IN THIS COMPOUND WILL PERFORM SATISFACTORILY IN THE CUSTOMER'S APPLICATION.
 IT IS THE CUSTOMER'S RESPONSIBILITY TO TEST PARTS PRIOR TO THEIR USE .