



The Manufacturer of Sealing Parts

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## TEST REPORT

MATERIAL : NBR 90 DURO BLACK

COMPOUND NO: N9001B

| Physical Properties (Press Cure:170°CX10min Post Cure:150°CX1h) | Requirement | Test result |
|-----------------------------------------------------------------|-------------|-------------|
| Hardness,Point 硬度(邵A)                                           | 85.00~95.00 | 89.00       |
| Tensile Strength,min,Mpa 拉力強度                                   | 10.00       | 12.80       |
| Ultimate Elongation,min,% 延伸率                                   | 100.00      | 128.00      |
| Specific Gravity, 比重                                            |             | 1.34        |

### Heat Resistance 70h@100°C 老化試驗

|                                              |        |        |
|----------------------------------------------|--------|--------|
| Change in hardness,max,Point 硬度變化(邵A)        | +15.00 | +1.00  |
| Change in tensile strength,max,% 拉伸強度變化率     | -20.00 | -5.00  |
| Change in ultimate elongation,max,% 扯斷伸長率變化率 | -40.00 | -24.00 |

### Compression Set 22h@100°C 壓縮永久變形試驗

|                                       |       |       |
|---------------------------------------|-------|-------|
| Compression set,Method B,max,% 壓縮永久變形 | 25.00 | 18.00 |
|---------------------------------------|-------|-------|

### Fluid Resistance No.1 Oil Resistance 70h@100°C 1號油試驗

|                                            |             |        |
|--------------------------------------------|-------------|--------|
| Change in hardness,Point 硬度變化              | -5.00~15.00 | +2.00  |
| Change in tensile strength,max,% 拉力強度變化率   | -25.00      | +5.00  |
| Change in ultimate elongation,max,% 延伸率變化率 | -45.00      | -11.00 |
| Change in volume,% 體積變化率                   | -10.00~5.00 | -3.00  |

### Fluid Resistance No.3 Oil Resistance 70h@100°C 3號油試驗

|                                            |             |        |
|--------------------------------------------|-------------|--------|
| Change in hardness,Point 硬度變化              | -20.00~0.00 | -10.00 |
| Change in tensile strength,max,% 拉力強度變化率   | -45.00      | -3.00  |
| Change in ultimate elongation,max,% 延伸率變化率 | -45.00      | +6.00  |
| Change in volume,% 體積變化率                   | 0.00~35.00  | +9.00  |

NOTE: THE ABOVE TESTS WAS TESTED WITH TEST PIECE AND FOR YOUR REFERENCE ONLY  
THIS COMPOUND N9001B CAN MEET ASTM 2000 M6BG910A14B14EQ14EO34

