



The Manufacturer of Sealing Parts

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## TEST REPORT

MATERIAL : HNBR 70 DURO BLACK

COMPOUND NO: H7001B

| Physical Properties (Press Cure:170°CX10min Post Cure:175°CX4h) | Requirement | Test result |
|-----------------------------------------------------------------|-------------|-------------|
| Hardness,Point 硬度(邵A)                                           | 65.00~75.00 | 69.00       |
| Tensile Strength,min,Mpa 拉力強度                                   | 16.00       | 17.80       |
| Ultimate Elongation,min,% 延伸率                                   | 250.00      | 273.00      |
| Specific Gravity, 比重                                            |             | 1.24        |

### Heat Resistance 70h@150°C 老化試驗

|                                              |        |       |
|----------------------------------------------|--------|-------|
| Change in hardness,max,Point 硬度變化(邵A)        | +10.00 | +5.00 |
| Change in tensile strength,max,% 拉伸強度變化率     | -15.00 | +3.00 |
| Change in ultimate elongation,max,% 扯斷伸長率變化率 | -25.00 | -3.00 |

### Compression Set 22h@150°C 壓縮永久變形試驗

|                                       |       |
|---------------------------------------|-------|
| Compression set,Method B,max,% 壓縮永久變形 | 10.00 |
|---------------------------------------|-------|

### Fluid Resistance No.1 Oil Resistance 70h@150°C 1號油試驗

|                                            |             |       |
|--------------------------------------------|-------------|-------|
| Change in hardness,Point 硬度變化              | -5.00~10.00 | +0.00 |
| Change in tensile strength,max,% 拉力強度變化率   | -20.00      | +4.00 |
| Change in ultimate elongation,max,% 延伸率變化率 | -30.00      | +1.00 |
| Change in volume,% 體積變化率                   | -10.00~5.00 | -1.00 |

### Fluid Resistance No.3 Oil Resistance 70h@150°C 3號油試驗

|                                            |        |        |
|--------------------------------------------|--------|--------|
| Change in hardness,Point 硬度變化              | -15.00 | -9.00  |
| Change in tensile strength,max,% 拉力強度變化率   | -40.00 | -7.00  |
| Change in ultimate elongation,max,% 延伸率變化率 | -30.00 | +10.00 |
| Change in volume,% 體積變化率                   | +25.00 | +14.00 |

NOTE: THE ABOVE TESTS WAS TESTED WITH TEST PIECE AND FOR YOUR REFERENCE ONLY  
THIS COMPOUND H7001B CAN MEET ASTM 2000 M4DH716A26B16EQ16EO36

