



The Manufacturer of Sealing Parts

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## TEST REPORT

MATERIAL : HNBR 70 DURO GREEN

COMPOUND NO: H7001G

| Physical Properties (Press Cure:170°CX10min Post Cure:175°CX4h) | Requirement | Test result |
|-----------------------------------------------------------------|-------------|-------------|
| Hardness,Point 硬度(邵A)                                           | 65.00~75.00 | 75.00       |
| Tensile Strength,min,Mpa 拉力強度                                   | 10.00       | 19.10       |
| Ultimate Elongation,min,% 延伸率                                   | 200.00      | 242.00      |
| Specific Gravity, 比重                                            |             | 1.26        |

### Heat Resistance 70h@150°C 老化試驗

|                                              |        |       |
|----------------------------------------------|--------|-------|
| Change in hardness,max,Point 硬度變化(邵A)        | +10.00 | +3.00 |
| Change in tensile strength,max,% 拉伸強度變化率     | -25.00 | +9.00 |
| Change in ultimate elongation,max,% 扯斷伸長率變化率 | -30.00 | -1.00 |

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

|                                       |       |       |
|---------------------------------------|-------|-------|
| Compression set,Method B,max,% 壓縮永久變形 | 30.00 | 11.00 |
|---------------------------------------|-------|-------|

### 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 | +1.00  |
| Change in tensile strength,max,% 拉力強度變化率   | -20.00      | -9.00  |
| Change in ultimate elongation,max,% 延伸率變化率 | -30.00      | -15.00 |
| Change in volume,% 體積變化率                   | ±5.00       | -5.00  |

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

|                                            |        |        |
|--------------------------------------------|--------|--------|
| Change in hardness,Point 硬度變化              | -15.00 | -7.00  |
| Change in tensile strength,max,% 拉力強度變化率   | -30.00 | -24.00 |
| Change in ultimate elongation,max,% 延伸率變化率 | -30.00 | -17.00 |
| Change in volume,% 體積變化率                   | +25.00 | +12.00 |

NOTE: THE ABOVE TESTS WAS TESTED WITH TEST PIECE AND FOR YOUR REFERENCE ONLY  
THIS COMPOUND H7001G CAN MEET ASTM 2000 M3DH710A26B16EO16EO36

