

## TEST REPORT

MATERIAL : NBR 70 DURO GRAY      COMPUND NO. : N7001A

**A) PHYSICAL PROPERTIES:**

PRESS CURE @ 170 DEGREE C X 10 MIN

POST CURE @ 120 DEGREE C X 1 HR

|                                 | REQUIREMENT | TEST RESULT |
|---------------------------------|-------------|-------------|
| HARDNESS , SHORE A 硬度           | 70+/-5      | 71          |
| TENSILE STRENGTH, MPa ,min 拉力強度 | 10          | 11.7        |
| ELONGATION, %,min 延伸率           | 250         | 508         |
| SPECIFIC GRAVITY 比重             |             | 1.47        |

**B)HEAT RESISTANCE @ 100°C X70HRS 老化試驗**

|                                    |       |    |
|------------------------------------|-------|----|
| HARDNESS CHANGE, POINTS 硬度變化       | +/-15 | +1 |
| TENSILE STRENGTH CHANGE, % 拉力強度變化率 | -20   | +3 |
| LONGATION CHANGE, % 延伸率變化率         | -40   | -8 |

**C)COMPRESSION SET 壓縮永久變形試驗**

CURING CONDITIONS

PRESS CURE @ 170 DEGREE C X 12 MIN

POST CURE @ 120 DEGREE C X 1 HR

|                                |    |    |
|--------------------------------|----|----|
| HEAT AGING @ 100°C X22HRS ,max | 25 | 25 |
|--------------------------------|----|----|

**D)ASTM NO.1 OIL IMMERSION @ 100°C X70HRS 耐 1#油試驗**

|                                    |        |     |
|------------------------------------|--------|-----|
| HARDNESS CHANGE , POINTS 硬度變化      | -5~+15 | +5  |
| TENSILE STRENGTH CHANGE, % 拉力強度變化率 | -25    | +17 |
| ELONGATION CHANGE, % 延伸率變化率        | -45    | -8  |
| VOLUME CHANGE, % 體積變化率             | -10~+5 | -5  |

**E)ASTM IRM 903 OIL IMMERSION @ 100°C X70HRS 耐 3#油試驗**

|                                    |       |     |
|------------------------------------|-------|-----|
| HARDNESS CHANGE , POINTS 硬度變化      | 0~-15 | -6  |
| TENSILE STRENGTH CHANGE, % 拉力強度變化率 | -45   | -4  |
| ELONGATION CHANGE, % 延伸率變化率        | -45   | -15 |
| VOLUME CHANGE, % 體積變化率             | 0~+35 | +6  |

NOTE: THE ABOVE TESTS WAS TESTED WITH TEST PIECE AND FOR YOUR REFERENCE ONLY.  
THIS COMPOUND N7001A CAN MEET ASTM D2000 M5BG710 A14 B14 EO14 EO34

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