

## TEST REPORT

**MATERIAL : NBR 70 DURO BLACK LOW TEMP**
**COMPOUND NO. : N7063B**
**A) PHYSICAL PROPERTIES**

PRESS CURE @ 170 DEGREE C X 10 MIN

POST CURE @ 120 DEGREE C X 1HR

HARDNESS, SHORE A , 硬度

TENSILE, STRENGTH, MPa 拉力強度 ,min

ELONGATION, % 延伸率, min

SPECIFIC GRAVITY , 比重

**REQUIREMENTS**
**TEST RESULTS**

70+/-5 70

14 16.1

250 285

1.214

**B) HEAT AGING @100°C X70HRS 老化試驗**

HARDNESS CHANGE, POINTS 硬度變化

TENSILE CHANGE, % 拉力強度變化

ELONGATION CHANGE, .% 延伸率變化

+/- 15 +8

-30 +12

-50 -11

**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 DEGREE C X 22 HRS, % ,max

25 7

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

HARDNESS CHANGE, POINTS 硬度變化

TENSILE CHANGE, % 拉力強度變化

ELONGATION CHANGE, % 延伸率變化

VOLUME CHANGE, % 體積變化

-5~+10 +5

-25 -9

-45 -5

-10~+5 -9

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

HARDNESS CHANGE, POINTS 硬度變化

TENSILE CHANGE, % 拉力強度變化

ELONGATION CHANGE, % 延伸率變化

VOLUME CHANGE, % 體積變化

-10~+5 -6

-45 -18

-45 -27

0~+25 +9

**F) LOW TEMPERATURE BRITTLENESS 耐低溫試驗**

TESTS AFTER 3MIN AT -40 DEGREE C

TR10

**NONBRITTLE**

-34°C

NOTE: THE ABOVE TESTS WAS TESTED WITH TEST PIECE AND FOR YOUR REFERENCE ONLY.

THIS COMPOUND N7063B CAN MEET ASTM D2000 M2BG714 A14 B14

WORKING TEMPERATURE RANGE: -40°C~100°C.

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