

TEST REPORT

MATERIAL : NBR 70 DURO BLACK LOW TEMP

COMPOUND NO. : N7060B

Test date:2023/10/7

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

70+/-5

14

250

TEST RESULTS

72

15.8

259

1.203

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

+/-30

-50

+5

+12

-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 DEGREE C X 22 HRS, %,max

25

9

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

+/-10

-25

-45

+/-10

+0

+13

-8

-2

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

-20

-45

-45

0~+60

-16

-35

-41

+31

F)LOW TEMPERATURE BRITTLINESS 低溫脆性試驗

TESTS AFTER 3MIN AT -55 DEGREE C

TR10

pass

NONBRITTLE

-52.2°C

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

以上測試是以試片試扣作測試,結果僅供參考

THIS COMPOUND N7060B CAN MEET ASTM D2000 M2BF714 A14 B14 EO14 EO34 F19

該支料可符合 ASTM D2000 M2BF714 A14 B14 EO14 EO34 F19

TEMPERATURE RANGE:-55°C~100°C

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Test by:QC08

