



# ESCORT SEAL

The Manufacturer of Sealing Parts

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## TEST REPORT

MATERIAL : NBR 60 DURO BLACK FDA GRADE COMPOUND NO. : N6011B

Test Date:2021/07/21

### 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 ,min 拉力強度

ELONGATION, %,min 延伸率

SPECIFIC GRAVITY 比重

### REQUIREMENTS

### TEST RESULTS

60+/-5

61

10

14.2

300

529

1.21

### B) HEAT AGING @100°C X70HRS 老化試驗

HARDNESS CHANGE, POINTS 硬度變化

+/- 15

+2

TENSILE CHANGE, % 拉力強度變化率

+/- 30

+6

ELONGATION CHANGE, .% 延伸率變化率

-50

-12

### C) COMPRESSION SET 壓縮永久變形試驗

CURING CONDITIONS 加硫條件

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

8

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

HARDNESS CHANGE, POINTS 硬度變化

-5~+10

+7

TENSILE CHANGE, % 拉力強度變化率

-25

+23

ELONGATION CHANGE, % 延伸率變化率

-45

-5

VOLUME CHANGE, % 體積變化率

-10~+5

-10

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

HARDNESS CHANGE, POINTS 硬度變化

-10~+5

-4

TENSILE CHANGE, % 拉力強度變化率

-45

+4

ELONGATION CHANGE, % 延伸率變化率

-45

-8

VOLUME CHANGE, % 體積變化率

0~+25

+0

NOTE:1.THE ABOVE TESTS WAS TESTED WITH TEST PIECE AND FOR YOUR REFERENCE ONLY.

THIS COMPOUND N6011B CAN MEET ASTM D2000 M2BG610 A14 B14 EO14 EO34

Z1(Z1=FDA GRADE)

2.THE COMPOUND IS COMPLY WITH FDA REGULATION ,BUT WE CAN NOT OFFER AN

APPROVAL OR CERTIFICATION.



QA Manager: Grace Chen

QC.Dept:Dolly Zhou

Test by:QC08