



**ESCORT SEAL**

*The Manufacturer of Sealing Parts*

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**TEST REPORT**

**MATERIAL : FDA NBR 80 DURO BLACK      COMPOUND NO. : N8011B**

**A) PHYSICAL PROPERTIES**

PRESS CURE@170DEGREE C X10 MIN

POST CURE@120DEGREE C X1 HR

B)HARDNESS , SHORE A

TENSILE STRENGTH , MPa ,min

ELONGATION, %,min

SPECIFIC GRAVITY

**REQUIREMENTS    TEST RESULT**

80+/-5                      85

14                              14.7

125                             377

1.428

C)HEAT AGING @100°C X70HRS

HARDNESS CHANGE, POINTS

+15                            +4

TENSILE STRENGTH CHANGE, %

-20                            +7

ELONGATION CHANGE, %

-40                            -14

B)COMPRESSION SET

CURING CONDITIONS

PRESS CURE@ 170 DEGREE C X 12 MIN

POST CURE@ 120 DEGREE C X 1HRS

HEAT AGING @ 100 DEGREE C X 22 HRS, %,max

25                              20

D)ASTM NO.1 OIL IMMERSION @100°C X70HRS

HARDNESS CHANGE , POINTS

-5~+15                      +3

TENSILE STRENGTH CHANGE, %

-25                            +10

ELONGATION CHANGE, %

-45                            -1

VOLUME CHANGE, %

-10~+5                      +3

E)ASTM IRM 903 OIL IMMERSION @100°C X70HRS

HARDNESS CHANGE , POINTS

0~-20                      -4

TENSILE STRENGTH CHANGE, %

-45                            -12

ELONGATION CHANGE, %

-45                            -6

VOLUME CHANGE, %

0~+35                      +11

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

THIS COMPOUND N8011B CAN MEET ASTM D2000 M6BG814 A14 B14 EO14 EO34

2.THE COMPOUND IS COMPLY WITH FDA REGULATION ,BUT WE CAN NOT OFFER ANY APPROVAL OR CERTIFICATION.

QA Manager: Grace Chen

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Test by:QC08