



ESCORT SEAL

The Manufacturer of Sealing Parts

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TEST REPORT

MATERIAL: XNBR 70 DURO BLACK COMPOUND NO. : X7001B

A) PHYSICAL PROPERTIES:

PRESS CURE @170 DEGREE C X 10 MIN

POST CURE @120 DEGREE C X 1 HR

HARDNESS, SHORE A

TENSILE STRENGTH, MPa

ELONGATION, %

SPECIFIC GRAVITY

REQUIREMENTS

TEST RESULT

70+/-5

74

14

15.8

250

298

1.21

B) COMPRESSION SET

CURING CONDITIONS

PRESS CURE @170 DEGREE C X 12 MIN

POST CURE @120 DEGREE C X 1 HR

HEAT AGING @100°C X22HRS, %

25

23

C) HEAT RESISTANCE @100°C X70HRS

HARDNESS CHANGE, POINTS

+15

+7

TENSILE STRENGTH CHANGE, %

-20

+10

ELONGATION CHANGE, %

-40

-17

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

HARDNESS CHANGE, POINTS

-5~+15

+9

TENSILE STRENGTH CHANGE, %

-25

+3

ELONGATION CHANGE, %

-45

-34

VOLUME CHANGE, %

-10~+5

-8

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

HARDNESS CHANGE, POINTS

0~-15

-2

TENSILE STRENGTH CHANGE, %

-45

-30

ELONGATION CHANGE, %

-45

-33

VOLUME CHANGE, %

0~+35

+4

NOTE: THE ABOVE TESTS WAS TESTED WITH TEST PIECE AND FOR YOUR REFERENCE ONLY.
THIS COMPOUND X7001B CAN MEET ASTM D2000 M5BG714 A14 B14 EO14 EO34

QA Manager: Grace Chen

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Test by:QC08