



ESCORT SEAL

The Manufacturer of Sealing Parts

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TEST REPORT

MATERIAL : NBR 70 DURO MEET AMS 3215

COMPOUND NO. : N7044B

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 ,min

ELONGATION, %,min

SPECIFIC GRAVITY

REQUIREMENTS TEST RESULT

70+/- 5 72

10.3 13.4

250 388

1.299

B) HEAT RESISTANCE @100°C X70HRS

HARDNESS CHANGE, POINTS

ENSILE CHANGE, %

ELONGATION CHANGE, %

0~+10 +1

-20 +3

-40 -6

C) COMPRESSION SET

CURING CONDITIONS

PRESS CURE @ 170 DEGREE C X 12 MIN

POST CURE @ 120 DEGREE C X 1 HR

HEAT AGING @ 100 DEGREE C X 70 HRS, %,max

75 43

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

HARDNESS CHANGE , POINTS

TENSILE STRENGTH CHANGE, %

ELONGATION CHANGE, %

VOLUME CHANGE, %

--- +9

--- +9

--- -6

--- -8

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

HARDNESS CHANGE , POINTS

TENSILE STRENGTH CHANGE, %

ELONGATION CHANGE, %

VOLUME CHANGE, %

--- +5

--- +4

--- -12

--- +2

F) LOW TEMPERATURE BRITTLINESS,TEST METHODS D2137

METHOD A 9.3.2 NONBRITTLE AFTER 10MIN AT - 18°C

PASS PASS

NOTE:THE ABOVE TESTS WAS TESTED WITH TEST PIECE AND FOR YOUR REFERENCE ONLY.
THIS COMPOUND N7044B CAN MEET AMS 3215

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QC.Dept:Dolly Zhou

Test by:QC08