



ESCORT SEAL

The Manufacturer of Sealing Parts

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TEST REPORT

MATERIAL : VITON 75 BLACK

COMPOUND NO. : V7544B

A)PHYSICAL PROPERTIES:

PRESS CURE @170 DEGREE C X 10 MIN

POST CURE @230 DEGREE C X 24HRS

HARDNESS, SHOREA

TENSILE STRENGTH, Mpa, MIN

ELONGATION, % , MIN

SPECIFIC GRAVITY

REQUIREMENTS

TEST RESULT

75 +/- 5

75

9.65

13.4

125

209

1.815

B)HEAT AGING @270 DEGREE C X 70 HRS.

HARDNESS CHANGE, POINTS

-5~+10

+2

TENSILE STRENGTH CHANGE, %

-35

+9

ELONGATION CHANGE, %

-15

+6

WEIGHT LOSS, % O-RING CORSS SECTION 3.5MM

+10

+4

C)COMPRESSION SET

CURING CONDITIONS

PRESS CURE @170 DEGREE C X 20 MIN

POST CURE @230 DEGREE C X 24HRS

HEAT AGING@ 200 DEGREE C X 22 HRS, % , MAX

O-RING CORSS SECTION 3.5MM

15

7

E)AROMATIC FUEL B RESISTANCE @RT X 70 HRS

HARDNESS CHANGE, POINTS

+/-5

-1

TENSILE STRENGTH CHANGE, %

-20

-8

ELONGATION CHANGE, %

-20

-3

VOLUME CHANGE, %

0~+5

+1

F)SYNTHETIC LUBRICANT RESISTANCE @AMS 3023 200C X 70 HRS

HARDNESS CHANGE, POINTS

-15~+0

-10

TENSILE STRENGTH CHANGE, %

-35

-15

ELONGATION CHANGE, %

-20

-7

VOLUME CHANGE, %

+1~+25

+15

COMPRESSION SET, MAX

30

16

G)LONG-TERM COMPRESSION SET,

HEAT AGING@ 200 DEGREE C X 336 HRS,MAX %

O-RING CORSS SECTION 3.5MM

45

30

H)LOW TEMPERATURE RESISTANCE,

TEMPERATURE RETRACTION ,TR10,POINT ,MAX

-15°C

PASS

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

THIS COMPOUND V7544B CAN MEET AMS 7276G AND MEET ASTM D2000 M2HK710 A1-11 B38

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QC.Dept:Dolly Zhou

Test by:QC08