



# ESCORT SEAL

The Manufacturer of Sealing Parts

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## TEST REPORT

MATERIAL : FKM 75 BLACK IRHD    COMPOUND NO. : V7E01B

### A)PHYSICAL PROPERTIES:

PRESS CURE @170 DEGREE C X 10 MIN

POST CURE @230 DEGREE C X 24HRS

HARDNESS, IRHD

TENSILE STRENGTH, MPa,min

ELONGATION, % min

SPECIFIC GRAVITY

REQUIREMENT

75+/-5

10.0

150

TEST RESULT

77

13.1

216

1.825

B)HEAT AGING @250 DEGREE C X 70 HRS.

HARDNESS CHANGE, POINTS

TENSILE STRENGTH CHANGE, %

ELONGATION CHANGE, %

+10

-25

-25

+1

+25

-7

C)COMPRESSION SET

CURING CONDITIONS

PRESS CURE @170 DEGREE C X 10 MIN

POST CURE @230 DEGREE C X 24HRS

HEAT AGING @175 DEGREE C X 22 HRS, %,max 50

HEAT AGING @200 DEGREE C X 22 HRS, %,max 50

8

18

D) FUEL OIL IMMERSION @RT X 70 HRS

HARDNESS CHANGE, POINTS

TENSILE STRENGTH CHANGE, %

ELONGATION CHANGE, %

VOLUME CHANGE, %

+/-5

-25

-20

0~+10

-5

-11

-6

+3

E) LOW TEMPERATURE BRITTLINESS

TESTS AFTER 3MIN AT -20 DEGREE C

NONBRITTLE

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

THIS COMPOUND V7E01B CAN MEET ASTM D2000 M2HK810 A1-10 B37 B38 EF31

Z1(Z1=IRHD) TEMPERATURE RANGE: -20°C~200°C

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