



**ESCORT SEAL**

*The Manufacturer of Sealing Parts*

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## TEST REPORT

MATERIAL : SIL 40 DURO BLACK

COMPOUND NO. S4001B

### A) PHYSICAL PROPERTIES

PRESS CURE @ 170 DEGREE C X 10MIN

POST CURE @ 200 DEGREE C X 4 HRS

HARDNESS, SHORE A

TENSILE STRENGTH, MPa, min

ELONGATION, % ,min

SPECIFIC GRAVITY

REQUIREMENTS      TEST RESULT

40+/-5                      43

5.0                              7.0

300                              321

1.140

### B) HEAT RESISTANCE @ 225 DEGREE C X 70 HRS

HARDNESS CHANGE, PTS

TENSILE STRENGTH CHANGE, %

ELONGATION CHANGE, %

+10                              +2.0

-25                              -23.0

-30                              -22.0

### C) COMPRESSION SET

CURING CONDITIONS

PRESS CURE @ 170 DEGREE C X 20 MIN

POST CURE @ 200 DEGREE C X 4 HRS

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

25                              20

### D) ASTM NO. 1 OIL @ 150 DEGREE C X 70 HRS

HARDNESS CHANGE, POINTS

TENSILE STRENGTH CHANGE %

ELONGATION CHANGE, %

VOLUME CHANGE, %

0~-10                              -7.0

-30                              -13.0

-30                              -7.0

0~+15                              +5.0

### E) ASTM NO. 3 OIL @ 150 DEGREE C X 70 HRS

HARDNESS CHANGE, PTS

VOLUME CHANGE, %

--                              -17.0

+60                              +34.0

NOTE: THE ABOVE TESTS WAS TESTED WITH TEST PIECE AND FOR YOUR REFERENCE ONLY.  
THIS COMPOUND S4001B CAN MEET ASTM D2000 M2GE405 A19 B37 EO16 EO36

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