



**ESCORT SEAL**

*The Manufacturer of Sealing Parts*

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## TEST REPORT

MATERIAL : SIL 50 BLACK

COMPOUND NO. : S5001B

### 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

REQUIREMENT TEST RESULT

50+/-5 51

6.0 7.2

250 289

1.127

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

HARDNESS CHANGE, PTS

TENSILE STRENGTH CHANGE, %

ELONGATION CHANGE, %

+10 +3

-25 -20

-30 -27

### 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 12

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

HARDNESS CHANGE, POINTS

TENSILESTRENGTH CHANGE %

ELONGATION CHANGE, %

VOLUME CHANGE, %

0~-15 -6

-20 -12

-20 -14

0~+10 +5

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

HARDNESS CHANGE, PTS

VOLUME CHANGE, %

-30 -19

+60 +37

NOTE:THE ABOVE TESTS WAS TESTED WITH TEST PIECE AND FOR YOUR REFERENCE ONLY.  
THIS COMPOUND S5001B CAN MEET ASTM D2000 M5GE506 A19 B37 EO16 EO36

QA Manager: Grace Chen

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Test by:QC08