



ESCORT SEAL

The Manufacturer of Sealing Parts

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TEST REPORT

MATERIAL SIL 50 DURO CLEAR

COMPOUND NO. S5001C

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

50+/-5 50

6.0 9.2

250 348

1.134

B) HEAT RESISTANCE @ 225 DEGREE C X 70 HRS

HARDNESS CHANGE, PTS

TENSILE STRENGTH CHANGE, %

ELONGATION CHANGE, %

+10 +0

-25 -24

-30 -20

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 15

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

HARDNESS CHANGE, POINTS

TENSILE STRENGTH CHANGE %

ELONGATION CHANGE, %

VOLUME CHANGE, %

0~-15 -7

-20 -17

-20 -19

0~+10 +9

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

HARDNESS CHANGE, PTS

VOLUME CHANGE, %

-30 -19

+60 +50

NOTE: THE ABOVE TESTS WAS TESTED WITH TEST PIECE AND FOR YOUR REFERENCE ONLY.
THIS COMPOUND S5001C CAN MEET ASTM D2000 M5GE506 A19 B37 EO16 EO36



QA Manager: Grace Chen

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Test by: QC08