



ESCORT SEAL

The Manufacturer of Sealing Parts

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TEST REPORT

MATERIAL : SIL 50 DURO RED

COMPOUND NO. S5001R

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	52
5.0	7.2
250	304
	1.126

B) HEAT RESISTANCE @ 225 DEGREE C X 70 HRS

HARDNESS CHANGE, PTS

TENSILE STRENGTH CHANGE, %

ELONGATION CHANGE, %

+10	+1
-25	-8
-30	-14

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	11
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D) ASTM NO. 1 OIL @ 150 DEGREE C X 70 HRS

HARDNESS CHANGE, POINTS

TENSILE STRENGTH CHANGE %

ELONGATION CHANGE, %

VOLUME CHANGE, %

0~-15	-8
-20	-3
-20	-18
0~+10	+10

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

HARDNESS CHANGE, PTS

VOLUME CHANGE, %

-30	-16
+60	+53

NOTE: THE ABOVE TESTS WAS TESTED WITH TEST PIECE AND FOR YOUR REFERENCE ONLY.
THIS COMPOUND S5001R CAN MEET ASTM D2000 M5GE505 A19 B37 EO16 EO36

QA Manager: Grace Chen

QC Dept: Dolly Zhou

Test by: QC08