



ESCORT SEAL

The Manufacturer of Sealing Parts

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TEST REPORT

MATERIAL FDA SIL 50 DURO LOW TEMP COMPOUND NO.S5063R

A)PHYSICAL PROPERTIES

PRESS CURE @170 DEGREE C X 10MIN

POST CURE @200 DEGREE C X 4 HRS

	REQUIREMENTS	TEST RESULT
HARDNESS,SHORE A	50+/-5	55
TENSILE STRENGTH, MPa,min	6.0	9.6
ELONGATION, % ,min	250	494
SPECIFIC GRAVITY		1.151

B) HEAT RESISTANCE @225 DEGREE C X 70 HRS

HARDNESS CHANGE, PTS	+10	+7
TENSILE STRENGTH CHANGE, %	-25	-4
ELONGATION CHANGE, %	-30	-12

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	24
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D) ASTM NO. 1 OIL @ 150 DEGREE C X 70 HRS

HARDNESS CHANGE, POINTS	0~-15	-6
TENSILE STRENGTH CHANGE %	-20	-18
ELONGATION CHANGE, %	-20	+22
VOLUME CHANGE, %	0~+10	+9

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

HARDNESS CHANGE, PTS	-30	-28
VOLUME CHANGE, %	+60	+59

F) LOW TEMPERATURE BRITTLINESS

TESTS AFTER 3MIN AT -80 DEGREE C NONBRITTLE

NOTE:THE ABOVE TESTS WAS TESTED WITH TEST PIECE AND FOR YOUR REFERENCE ONLY.
THIS COMPOUND S5063R CAN MEET ASTM D2000 M5GE506 A19 B37 EO16 EO36
TEMPERATURE RANGE:-80°C~180°C



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Test by:QC08