



ESCORT SEAL

The Manufacturer of Sealing Parts

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TEST REPORT

MATERIAL : SIL80 DURO BLACK COMPOUND NO. S8001B

A)PHYSICAL PROPERTIES

PRESS CURE @170 DEGREE C X 10MIN)

POST CURE @200 DEGREE C X 4HRS

	REQUIREMENTS	TEST RESULT
HARDNESS PTS	80+/-5	84
TENSILE STRENGTH, MPa, min	6.0	6.5
ELONGATION, %,min	100	167
SPECIFIC GRAVITY		1.434

B) HEAT RESISTANCE @225 DEGREE C X 70 HRS

HARDNESS CHANGE, PTS	+10	+4
TENSILE STRENGTH CHANGE, %	-25	-3
ELONGATION CHANGE, %	-30	-26

C)COMPRESSION SET:

PRESS CURE @170 DEGREE C X 20MIN)

POST CURE @200 DEGREE C X 4HRS

HEAT AGING @175 DEGREE C X 22 HRS ,max	25	18
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D) ASTM NO. 1 OIL: @150 DEGREE C X 70 HRS

HARDNESS CHANGE, POINTS	0~-15	-6
TENSILE STRENGTH CHANG, %	-20	-12
ELONGATION CHANGE, %	-20	-18
VOLUME CHANGE, %	0~+10	+5

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

HARDNESS CHANGE, PTS	-30	-21
VOLUME CHANGE, %	+60	+34

F) LOW TEMPERATURE BRITTLENESS

TESTS AFTER 3MIN AT -55 DEGREE C NONBRITTLE

NOTE:THE ABOVE TEST WAS TESTED WITH TEST PIECE AND FOR YOUR REFERENCE ONLY
THIS COMPOUND S8001B CAN MEET ASTM D2000 M5GE806 A19 B37 EO16 EO36 F19

QA Manager: Grace Chen

QC.Dept:Dolly Zhou

Test by:QC08