



ESCORT SEAL

The Manufacturer of Sealing Parts

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TEST REPORT

MATERIAL FDA: SIL 50 DURO RED

COMPOUND NO. S5011R

A) PHYSICAL PROPERTIES

PRESS CURE @170 DEGREE C X 10MIN

POST CURE @200 DEGREE C X 4 HRS

	REQUIREMENTS	TEST RESULT
HARDNESS, POINTS	50+/-5	50
TENSILE STRENGTH, MPA	6.0	6.7
ELONGATION, %	250	388
SPECIFIC GRAVITY		1.135

B) HEAT RESISTANCE @225 DEGREE C X 70 HRS

HARDNESS CHANGE, PTS	+10	+3.0
TENSILE STRENGTH CHANGE, %	-25	-11.0
ELONGATION CHANGE, %	-30	-5.0

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, %	25	10
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D) ASTM NO. 1 OIL @ 150 DEGREE C X 70 HRS

HARDNESS CHANGE, POINTS	0~-15	-2.0
TENSILE STRENGTH CHANGE %	-20	-11.0
ELONGATION CHANGE, %	-20	-7.0
VOLUME CHANGE, %	0~+10	+6.0

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

HARDNESS CHANGE, PTS	-30	-10.0
VOLUME CHANGE, %	+60	+24.0

NOTE: THE ABOVE TESTS WAS TESTED WITH TEST PIECE AND FOR YOUR REFERENCE ONLY.

THIS COMPOUND S5011R CAN MEET ASTM D2000 M5GE506 A19 B37 EO16 EO36

Z1(Z1=FDA)

