



ESCORT SEAL

The Manufacturer of Sealing Parts

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TEST REPORT

MATERIAL :FDA SIL 50 DURO BLUE COMPOUND NO. S5011U

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

6.0 7.4

250 255

1.127

B) HEAT RESISTANCE @ 225 DEGREE C X 70 HRS

HARDNESS CHANGE, PTS

TENSILE STRENGTH CHANGE, %

ELONGATION CHANGE, %

+10 +2

-25 -12

-30 -13

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 12

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

HARDNESS CHANGE, POINTS

TENSILE STRENGTH CHANGE %

ELONGATION CHANGE, %

VOLUME CHANGE, %

0~-15 -6

-20 +1

-20 +3

0~+10 +9

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

HARDNESS CHANGE, PTS

VOLUME CHANGE, %

-30 -17

+60 +52

NOTE: 1. THE ABOVE TESTS WAS TESTED WITH TEST PIECE AND FOR YOUR REFERENCE ONLY. THIS COMPOUND S5011U CAN MEET ASTM D2000 M5GE506 A19 B37 EO16 EO36
2. THE COMPOUND IS COMPLY WITH FDA REGULATION ,BUT WE CAN NOT OFFER ANY APPROVAL OR CERTIFICATION.

QA Manager: Grace Chen

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Test by:QC08