



ESCORT SEAL

The Manufacturer of Sealing Parts

Escort Seal (Shanghai) Co., Ltd
NO.205 .Jiangtian RD(E),.Songjiang ,
Shanghai China
POSTAL CODE: 201613
Tel: (021)57747878
Fax (021)57747979
Website: <http://www.seal.com.tw>

TEST REPORT

MATERIAL:FDA SIL 50 DURO WHITE

COMPOUND NO. S5011W

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	7.5
250	265
	1.134

B) HEAT RESISTANCE @225 DEGREE C X 70 HRS

HARDNESS CHANGE, PTS

TENSILE STRENGTH CHANGE, %

ELONGATION CHANGE, %

+10	+1
-25	-24
-30	-27

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	18
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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	-15
-20	-14
0~+10	+10

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

HARDNESS CHANGE, PTS

VOLUME CHANGE, %

-30	-21
+60	+51

NOTE:1. THE ABOVE TESTS WAS TESTED WITH TEST PIECE AND FOR YOUR REFERENCE ONLY.

THIS COMPOUND S5011W CAN MEET ASTM D2000 M5GE505 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

QC.Dept:Dolly Zhou

Test by:QC08