



ESCORT SEAL

The Manufacturer of Sealing Parts

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TEST REPORT

MATERIAL : SIL 40 DURO BLUE

COMPOUND NO. : S4001U

A) PHYSICAL PROPERTIES

PRESS CURE @ 170 DEGREE C X 10MIN

POST CURE @ 200 DEGREE C X 4 HRS

HARDNESS, SHORE A 硬度

TENSILE STRENGTH, MPa ,min 拉力强度

ELONGATION, %,min 延伸率

SPECIFIC GRAVITY 比重

REQUIREMENT	TEST RESULT
40+/-5	42
5.0	6.5
300	343
	1.12

B) HEAT RESISTANCE @ 225 DEGREE C X 70 HRS 老化试验

HARDNESS CHANGE, PTS 硬度变化

TENSILE STRENGTH CHANGE, % 拉力强度变化率

ELONGATION CHANGE, % 延伸率变化率

+10	+2
-25	-23
-30	-17

C) COMPRESSION SET 压缩永久变形试验

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	13
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D) ASTM NO. 1 OIL @ 150 DEGREE C X 70 HRS 耐 1#油试验

HARDNESS CHANGE, POINTS 硬度变化

TENSILE STRENGTH CHANGE % 拉力强度变化率

ELONGATION CHANGE, % 延伸率变化率

VOLUME CHANGE, % 体积变化率

0~-10	-7
-30	-14
-30	-1
0~+15	+10

E) ASTM NO. 3 OIL @ 150 DEGREE C X 70 HRS 耐 3#油试验

HARDNESS CHANGE, POINTS 硬度变化

VOLUME CHANGE, % 体积变化率

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+60	+52

NOTE: THE ABOVE TESTS WAS TESTED WITH TEST PIECE AND FOR YOUR REFERENCE ONLY.
THIS COMPOUND S4001U CAN MEET ASTM D2000 M2GE405 A19 B37 EO16 EO36

QA Manager: Grace Chen

QC Dept: Dolly Zhou



Test by: QC08