

TEST REPORT

MATERIAL : SIL 50 BLACK

COMPOUND NO. : S5001B

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

50+/-5 52

6.0 7.5

250 263

1.144

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

HARDNESS CHANGE, PTS 硬度变化

+10 +1

TENSILE STRENGTH CHANGE, % 拉力强度变化率

-25 -16

ELONGATION CHANGE, % 延伸率变化率

-30 -21

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 11

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

HARDNESS CHANGE, POINTS 硬度变化

0~-15 -8

TENSILESTRENGTH CHANGE %拉力强度变化率

-20 +3

ELONGATION CHANGE, %延伸率变化率

-20 -4

VOLUME CHANGE, %体积变化率

0~+10 +6

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

HARDNESS CHANGE, PTS 硬度变化

-30 -19

VOLUME CHANGE, %体积变化率

+60 +37

NOTE:THE ABOVE TESTS WAS TESTED WITH TEST PIECE AND FOR YOUR REFERENCE ONLY.
THIS COMPOUND S5001B CAN MEET ASTM D2000 M5GE506 A19 B37 EO16 EO36



QA Manager: Grace Chen

QC.Dept:Dolly Zhou

Test by:QC08