

TEST REPORT

MATERIAL : SIL 50 DURO FDA+OILBLEEDING BLACK COMPOUND NO. S5014B

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

REQUIREMENT TEST RESULT

50+/-5 53

5.0 6.9

250 305

1.145

B) HEAT RESISTANCE @225 DEGREE C X 70 HRS

HARDNESS CHANGE, PTS

+10 +0

TENSILE STRENGTH CHANGE, %

-25 -25

ELONGATION CHANGE, %

-30 -25

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 13

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

HARDNESS CHANGE, POINTS

0~-15 -4

TENSILE STRENGTH CHANGE,%

-20 -17

ELONGATION CHANGE,%

-20 -16

VOLUME CHANGE, %

0~+10 +3

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

HARDNESS CHANGE, PTS

-30 -18

VOLUME CHANGE, %

+60 +40

F)OIL BLEEDING ,AFTER 24h

GOOD

G)OIL BLEEDING ,AFTER 48h %

4.4

NOTE:THE ABOVE TESTS WAS TESTED WITH TEST PIECE AND FOR YOUR REFERENCE ONLY.
THIS COMPOUND S5014B CAN MEET ASTM D2000 M5GE505 A19 B37 EO16 EO36

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Test by:QC08

