

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

	REQUIREMENT	TEST RESULT
HARDNESS, SHORE A	50+/-5	53
TENSILE STRENGTH, MPa,min	5.0	6.9
ELONGATION, % ,min	250	305
SPECIFIC GRAVITY		1.145

B) HEAT RESISTANCE @ 225 DEGREE C X 70 HRS

HARDNESS CHANGE, PTS

TENSILE STRENGTH CHANGE, %

ELONGATION CHANGE, %

+10	+0
-25	-25
-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
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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	-4
-20	-17
-20	-16
0~+10	+3

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

HARDNESS CHANGE, PTS

VOLUME CHANGE, %

-30	-18
+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