

TEST REPORT

MATERIAL :CR 40 DURO BLACK LOW TEMPERATURE COMPOUND NO:C4063B

A) PHYSICAL PROPERTIES

PRESS CURE @ 170DEGREE C X 10 MIN)

HARDNESS SHORE A

TENSILE STRENGTH, MPa,min

ELONGATION, % ,min

SPECIFIC GRAVITY

REQUIREMENT TEST RESULT

40+/-5 42

10.0 10.4

500 505

1.325

B)HEAT AGING @ 100 DEGREE C X 70 HRS

HARDNESS CHANGE , POINTS

+15 +6

TENSILE STRENGTH CHANGE , %

-15 +13

ELONGATION CHANGE , %

-40 -11

C)COMPRESSION SET

HEAT AGING @ 100 DEGREE C X 22 HRS % ,max

35 29

D)FLUID RESISTANCE,TEST METHOD NO.1.oil @ 100 DEGREE C X 70H

HARDNESS CHANGE , points

+/-10 +3

TENSILE STRENGTH CHANGE , %

-30 +17

ELONGATION CHANGE , %

-30 -3

VOLUME CHANGE, %

-10~+15 -10

E) FLUID RESISTANCE,TEST METHOD NO.3.oil @ 100 DEGREE C X 70H

TENSILE STRENGTH CHANGE , %

-70 -42

ELONGATION CHANGE , %

-55 -6

VOLUME CHANGE, %

+120 +53

F)LOW TEMPERATURE BRITTLENESS

TESTS AFTER 3MIN AT -55 DEGREE C

NONBRITTLE

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

THIS COMPOUND C4063B CAN MEET ASTM D2000 M2BC410 A14 B14 EO14 EO34 F19

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Test by:QC08