

TEST REPORT

MATERIAL :CR 80 DURO BLACK

COMPOUND NO: C8001B

A) PHYSICAL PROPERTIES

PRESS CURE @ 170DEGREE C X 10 MIN)

HARDNESS SHORE A

TENSILE STRENGTH, Mpa,min

ELONGATION, %,min

SPECIFIC GRAVITY

REQUIREMENT TEST RESULT

80+/-5 80

10 14.4

100 149

1.509

B)HEAT AGING @ 100 DEGREE C X 70 HRS

HARDNESS CHANGE , POINTS

+15 +3

TENSILE STRENGTH CHANGE , %

-15 -8

ELONGATION CHANGE , %

-40 -9

C)COMPRESSION SET

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

35 18

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

HARDNESS CHANGE , points

+/-10 -6

TENSILE STRENGTH CHANGE , %

-30 +10

ELONGATION CHANGE , %

-30 -2

VOLUME CHANGE, %

-10~+15 +6

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

TENSILE STRENGTH CHANGE , %

-45 -38

ELONGATION CHANGE , %

-30 -6

VOLUME CHANGE, %

+80 +54

NOTE:THE ABOVE TESTS WAS TESTED WITH TEST PIECE AND FOR YOUR REFERENCE ONLY.
THIS COMPOUND C8001B CAN MEET ASTM D2000 M4BC810 A14 B14 EO14 EO34

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Test by:QC08