

TEST REPORT

MATERIAL :CR 70 DURO BLACK LOW TEMPERATURE

COMPOUND NO:C7063B

A) PHYSICAL PROPERTIES

PRESS CURE @ 170DEGREE C X 10 MIN)

HARDNESS SHORE A

TENSILE STRENGTH, Mpa,min

ELONGATION, %,min

SPECIFIC GRAVITY

REQUIREMENT TEST RESULT

70+/-5 68

7.0 14.9

200 213

1.396

B)HEAT AGING @ 100 DEGREE C X 70 HRS

HARDNESS CHANGE , POINTS

+15 +3

TENSILE STRENGTH CHANGE , %

-15 -2

ELONGATION CHANGE , %

-40 -10

C)COMPRESSION SET

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

35 16

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

HARDNESS CHANGE , points

+/-10 -3

TENSILE STRENGTH CHANGE , %

-30 +1

ELONGATION CHANGE , %

-30 -8

VOLUME CHANGE, %

-10~+15 +3

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

HARDNESS CHANGE,POINTS

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TENSILE STRENGTH CHANGE , %

-60 -52

ELONGATION CHANGE , %

-50 -33

VOLUME CHANGE, %

+100 +51

F) LOW TEMPERATURE BRITTLINESS

TESTS AFTER 3MIN AT -55 DEGREE C

pass NONBRITTLE

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

THIS COMPOUND C7063B CAN MEET ASTM D2000 M3BC707 A14 B14 EO14 EO34 F19

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Test by:QC08