

TEST REPORT

MATERIAL :CR 70 DURO BLACK HIGH STRENGTH

COMPOUND NO:C7039B

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 70

21 22.4

300 400

1.349

B)HEAT AGING @ 100 DEGREE C X 70 HRS

HARDNESS CHANGE , POINTS

TENSILE STRENGTH CHANGE , %

ELONGATION CHANGE , %

+15 +3

-15 -6

-40 -13

C)COMPRESSION SET

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

35 22

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

HARDNESS CHANGE , points

TENSILE STRENGTH CHANGE , %

ELONGATION CHANGE , %

VOLUME CHANGE, %

+/-10 -4

-30 -14

-30 -20

-10~+15 +3

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

TENSILE STRENGTH CHANGE , %

ELONGATION CHANGE , %

VOLUME CHANGE, %

-60 -59

-50 -50

+100 +67

F) LOW TEMPERATURE BRITTLINESS

TESTS AFTER 3MIN AT -40 DEGREE C

NONBRITTLE

NOTE:THE ABOVE TESTS WAS TESTED WITH TEST PIECE AND FOR YOUR REFERENCE ONLY.
THIS COMPOUND C7039B CAN MEET ASTM D2000 M3BC721 A14 B14 EO14 EO34 F17

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Test by:QC08