

TEST REPORT

MATERIAL :HNBR 70 DURO GREEN LOW TEMPERATURE

COMPOUND NO:H7063G

Test date:2016/08/03

A) PHYSICAL PROPERTIES

PRESS CURE @ 170DEGREE C X 10 MIN

POST CURE @ 150 DEGREE C X 4 HRS

HARDNESS SHORE A

TENSILE STRENGTH,MPa ,min

ELONGATION,%,min

SPECIFIC GRAVITY

REQUIREMENTS

TEST RESULT

70+/-5

72

16

22.7

250

312

1.233

A26 B) HEAT AGING @ 150 DEGREE C X 70 HRS

HARDNESS CHANGE , POINTS

+10

+2

TENSILE STRENGTH CHANGE , %

-15

+3

ELONGATION CHANGE , %

-25

-11

B16 C) COMPRESSION SET

HEAT AGING @ 150 DEGREE C X 22 HRS %,max

40

11

EO16 D) FLUID RESISTANCE,TEST METHOD NO.1.oil @ 150 DEGREE C X 70H

HARDNESS CHANGE, POINTS

-5~+10

-1

TENSILE STRENGTH CHANGE , %

-20

+8

ELONGATION CHANGE , %

-30

-7

VOLUME CHANGE , %

-10~+5

-2

EO36 E) FLUID RESISTANCE,TEST METHOD NO.3.oil @ 150 DEGREE C X 70H

HARDNESS CHANGE, POINTS

-15

-7

TENSILE STRENGTH CHANGE , %

-40

-11

ELONGATION CHANGE , %

-30

-9

VOLUME CHANGE , %

+25

+13

F17 F) LOW TEMPERATURE BRITTLINESS

TESTS AFTER 3MIN AT -45 DEGREE C

NONBRITTLE

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

THIS COMPOUND H7063G CAN MEET ASTM D2000 M4DH716 A26 B16 EO16 EO36 F17