

TEST REPORT

MATERIAL :HNBR 70 DURO GREEN LOW TEMPERATURE

COMPOUND NO:H7063G

A) PHYSICAL PROPERTIES

PRESS CURE @ 170DEGREE C X 10 MIN
POST CURE @ 150 DEGREE C X 4 HRS

	REQUIREMENTS	TEST RESULT
HARDNESS SHORE A	70+/-5	73
TENSILE STRENGTH,MPa ,min	16	21.6
ELONGATION,%,min	250	259
SPECIFIC GRAVITY		1.252

B)HEAT AGING @ 150 DEGREE C X 70 HRS

HARDNESS CHANGE , POINTS	+10	+2
TENSILE STRENGTH CHANGE ,%	-15	+2
ELONGATION CHANGE ,%	-25	-19

C)COMPRESSION SET

HEAT AGING @ 150 DEGREE CX 22 HRS %,max	40	10
---	----	----

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

HARDNESS CHANGE, POINTS	-5~+10	+1
TENSILE STRENGTH CHANGE , %	-20	+3
ELONGATION CHAGNE, %	-30	-18
VOLUME CHANGE, %	-10~+5	-2

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

HARDNESS CHANGE, POINTS	-15	-5
TENSILE STRENGTH CHANGE, %	-40	-24
ELONGATION CHANGE , %	-30	-29
VOLUME CHANGE, %	+25	+13

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



QA Manager: Grace Chen

QC.Dept:Dolly Zhou

Test by:QC08