

## TEST REPORT

MATERIAL : NBR 50 DURO WITH TEFLON      COMPOUND NO. : N5046B

**A) PHYSICAL PROPERTIES**

PRESS CURE @ 170 DEGREE C X 10 MIN

POST CURE @ 150 DEGREE C X 1 HR

	REQUIREMENTS	TEST RESULT
HARDNESS , SHORE A	50+/- 5	52
TENSILE STRENGTH, MPa, MIN	8.0	8.7
ELONGATION, %,MIN	350	534
SPECIFIC GRAVITY		1.21

**B) HEAT RESISTANCE @100°CX70HRS**

HARDNESS CHANGE, POINTS	+/-15	+2
ENSILE CHANGE, %	+/-30	+53
ELONGATION CHANGE, %	-50	-2

**C) COMPRESSION SET**

CURING CONDITIONS

PRESS CURE @ 170 DEGREE C X 12 MIN

POST CURE @ 120 DEGREE C X 1 HR

HEAT AGING @ 100 DEGREE C X 22 HRS, %,MAX	25	12
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**D)ASTM NO.1 OIL IMMERSION @100°CX70HRS**

HARDNESS CHANGE , POINTS	-5~+10	+3
TENSILE STRENGTH CHANGE, %	-25	-3
ELONGATION CHANGE, %	-45	-20
VOLUME CHANGE, %	-10~+5	-10

**E)ASTM IRM 903 OIL IMMERSION @100°CX70HRS**

HARDNESS CHANGE , POINTS	-10~+5	-8
TENSILE STRENGTH CHANGE, %	-45	+22
ELONGATION CHANGE, %	-45	-4
VOLUME CHANGE, %	0~+25	+11

NOTE:THE ABOVE TESTS WAS TESTED WITH TEST PIECE AND FOR YOUR REFERENCE ONLY.  
 THIS COMPOUND N5046B CAN MEET ASTM D2000 M2BG508 A14 B14 EO14 EO34 Z1  
 Z1=WITH TEFLON

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