

TEST REPORT

MATERIAL : NBR 90 DURO PEROXIDE COMPOUND NO. : N9021B

Test Date:2021/10/09

A) PHYSICAL PROPERTIES

PRESS CURE@170 DEGREE C X 10 MIN

POST CURE@120 DEGREE C X 1HR

	REQUIREMENTS	TEST RESULT
HARDNESS ,SHORE A	90+/-5	95
TENSILE, STRENGTH ,MPa,min	10	14.3
ELONGATION, %,min	100	119
SPECIFIC GRAVITY		1.53

B) HEAT RESISTANCE @125°C X70HRS

HARDNESS CHANGE, POINTS	0~+15	+1
TENSILE STRENGTH CHANGE, %	-25	+16
ELONGATION CHANGE, %	-50	-43

C) COMPRESSION SET

CURING CONDITIONS

PRESS CURE@170 DEGREE C X 12 MIN

POST CURE@120 DEGREE C X 1HR

HEAT AGING@100 DEGREE C X 22HRS.% ,max	25	22
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D) ASTM NO.1 OIL IMMERSION @125°C X70HRS

HARDNESS CHANGE , POINTS	0~+10	+0
TENSILE STRENGTH CHANGE, %	-20	+17
ELONGATION CHANGE, %	-35	-25
VOLUME CHANGE %	-15~+5	+1

E) ASTM IRM 903 OIL IMMERSION @125°C X70HRS

HARDNESS CHANGE , POINTS	+/-10	-8
TENSILE STRENGTH CHANGE, %	-15	-15
ELONGATION CHANGE, %	-30	-25
VOLUME CHANGE, %	0~+25	+15

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

THIS COMPOUND N9021B CAN MEET ASTM D2000 M4CH910 A25 B14 EO15 EO35

Z1(Z1=PEROXIDE) TEMPERATURE RANGE:-20°C~120°C



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Test by:QC08