



The Manufacturer of Sealing Parts

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TEST REPORT

MATERIAL: XNBR 80 DURO BLACK COMPOUND NO. : X8001B

A) PHYSICAL PROPERTIES:

PRESS CURE @170 DEGREE C X 10 MIN

POST CURE @120 DEGREE C X 1 HR

HARDNESS, SHORE A

TENSILE STRENGTH, MPa

ELONGATION, %

SPECIFIC GRAVITY

REQUIREMENTS

TEST RESULT

80+/-5	79
14	14.1
125	142
	1.291

B) COMPRESSION SET

CURING CONDITIONS

PRESS CURE @170 DEGREE C X 12 MIN

POST CURE @120 DEGREE C X 1 HR

HEAT AGING @100°C X22HRS, %

25	23
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C) HEAT RESISTANCE @100°C X70HRS

HARDNESS CHANGE, POINTS

TENSILE STRENGTH CHANGE, %

ELONGATION CHANGE, %

+15	+3
-20	+1
-40	+1

D) ASTM NO.1 OIL IMMERSION @100°C X70HRS

HARDNESS CHANGE, POINTS

TENSILE STRENGTH CHANGE, %

ELONGATION CHANGE, %

VOLUME CHANGE, %

-5~+15	+2
-25	+8
-45	-17
-10~+5	+1

E) ASTM IRM 903 OIL IMMERSION @100°C X70HRS

HARDNESS CHANGE, POINTS

TENSILE STRENGTH CHANGE, %

ELONGATION CHANGE, %

VOLUME CHANGE, %

0~-20	-3
-45	-8
-45	-23
0~+35	+8

NOTE: THE ABOVE TESTS WAS TESTED WITH TEST PIECE AND FOR YOUR REFERENCE ONLY.
THIS COMPOUND X8001B CAN MEET ASTM D2000 M6BG814 A14 B14 EO14 EO34

QA Manager: Grace Chen

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Test by:QC08