

TEST REPORT

MATERIAL: XNBR 90 DURO BLACK COMPOUND NO. : X9001B

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 |
|--------------|-------------|
| 90+/-5 | 93 |
| 10 | 24.4 |
| 100 | 187 |
| | 1.249 |

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 X 22 HRS, %

| | |
|----|----|
| 25 | 16 |
|----|----|

C) HEAT RESISTANCE @100°C X 70 HRS

HARDNESS CHANGE, POINTS

TENSILE STRENGTH CHANGE, %

ELONGATION CHANGE, %

| | |
|-----|-----|
| +15 | +1 |
| -20 | +5 |
| -40 | -18 |

D) ASTM NO.1 OIL IMMERSION @100°C X 70 HRS

HARDNESS CHANGE, POINTS

TENSILE STRENGTH CHANGE, %

ELONGATION CHANGE, %

VOLUME CHANGE, %

| | |
|--------|-----|
| -5~+15 | +2 |
| -25 | +13 |
| -45 | -16 |
| -10~+5 | -3 |

E) ASTM IRM 903 OIL IMMERSION @100°C X 70 HRS

HARDNESS CHANGE, POINTS

TENSILE STRENGTH CHANGE, %

ELONGATION CHANGE, %

VOLUME CHANGE, %

| | |
|-------|-----|
| 0~-20 | -3 |
| -45 | -7 |
| -45 | -19 |
| 0~+35 | +9 |

NOTE: THE ABOVE TESTS WAS TESTED WITH TEST PIECE AND FOR YOUR REFERENCE ONLY.
 THIS COMPOUND X9001B CAN MEET ASTM D2000 M6BG910 A14 B14 EO14 EO34

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