

## TEST REPORT

MATERIAL : NBR 90 DURO INCLUDE 45.7% POLYMER COMPOUND NO. : N9003B

### 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       | 88          |
| TENSILE, STRENGTH ,MPa ,min | 10           | 21.1        |
| ELONGATION, %,min           | 100          | 380         |
| SPECIFIC GRAVITY            |              | 1.268       |

### B)COMPRESSION SET

CURING CONDITIONS

PRESS CURE@170 DEGREE C X 12 MIN

POST CURE@120 DEGREE C X 1HR

|                                              |    |   |
|----------------------------------------------|----|---|
| HEAT <u>AGING@100</u> DEGREE C X 22HRS.%,max | 25 | 9 |
|----------------------------------------------|----|---|

### C)HEAT RESISTANCE @100°C X70HRS

|                            |       |     |
|----------------------------|-------|-----|
| HARDNESS CHANGE, POINTS    | +/-15 | +1  |
| TENSILE STRENGTH CHANGE, % | -20   | -2  |
| ELONGATION CHANGE, %       | -40   | -39 |

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

|                            |        |     |
|----------------------------|--------|-----|
| HARDNESS CHANGE , POINTS   | -5~+15 | -3  |
| TENSILE STRENGTH CHANGE, % | -25    | -1  |
| ELONGATION CHANGE, %       | -45    | -20 |
| VOLUME CHANGE %            | -10~+5 | -1  |

### E)ASTM NO.3 OIL IMMERSIONN @100°C X70HRS

|                            |       |     |
|----------------------------|-------|-----|
| HARDNESS CHANGE , POINTS   | 0~-20 | -9  |
| TENSILE STRENGTH CHANGE, % | -45   | -7  |
| ELONGATION CHANGE, %       | -45   | -35 |
| VOLUME CHANGE, %           | 0~+35 | +8  |

NOTE:THE ABOVE TESTS WAS TESTED WITH TEST PIECE AND FOR YOUR REFERENCE ONLY.  
THIS COMPOUND N9003B CAN MEET ASTM D2000 M6BG910 A14 B14 EO14 EO34

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Test by:QC08