



*The Manufacturer of Sealing Parts*

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## TEST REPORT

MATERIAL : NBR 90 DURO GRAY COMPOUND NO. : N9001A

### 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       | 89          |
| TENSILE, STRENGTH MPa.min | 10           | 11.6        |
| ELONGATION, %,min         | 100          | 358         |
| SPECIFIC GRAVITY          |              | 1.487       |

### C)HEAT RESISTANCE @100°C X70HRS

|                            |     |     |
|----------------------------|-----|-----|
| HARDNESS CHANGE, POINTS    | +15 | +1  |
| TENSILE STRENGTH CHANGE, % | -20 | -5  |
| ELONGATION CHANGE, %       | -40 | +21 |

### B)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 | 24 |
|---------------------------------------|----|----|

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

|                            |        |     |
|----------------------------|--------|-----|
| HARDNESS CHANGE , POINTS   | -5~+15 | +3  |
| TENSILE STRENGTH CHANGE, % | -25    | -5  |
| ELONGATION CHANGE, %       | -45    | -15 |
| VOLUME CHANGE %            | -10~+5 | -2  |

### E)ASTM IRM 903 OIL IMMERSIONN @100°C X70HRS

|                            |       |     |
|----------------------------|-------|-----|
| HARDNESS CHANGE , POINTS   | 0~-20 | -17 |
| TENSILE STRENGTH CHANGE, % | -45   | -21 |
| ELONGATION CHANGE, %       | -45   | -12 |
| VOLUME CHANGE, %           | 0~+35 | +16 |

NOTE:THE ABOVE TESTS WAS TESTED WITH TEST PIECE AND FOR YOUR REFERENCE ONLY.  
THIS COMPOUND N9001A CAN MEET ASTM D2000 M6BG910 A14 B14 EO14 EO34

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Test by:QC08