

TEST REPORT

MATERIAL : VITON 75 DURO BLACK

COMPOUND NO. : V7502B

A) PHYSICAL PROPERTIES:

PRESS CURE @170 DEGREE C X 10 MIN

POST CURE @230 DEGREE C X 24HRS

HARDNESS, SHORE A

TENSILE STRENGTH, MPa,min

ELONGATION, % ,min

SPECIFIC GRAVITY

| REQUIREMENT | TEST RESULT |
|-------------|-------------|
| 75+/-5 | 80 |
| 10 | 12.6 |
| 150 | 156 |
| | 1.795 |

B) AIR AGE 70 HOURS @250°C

HARDNESS CHANGE,POINTS

TENSILE STRENGTH CHANGE, % MAX

ELONGATION CHANGE, % ,MAX

| | |
|-----|-----|
| +10 | +2 |
| +10 | -4 |
| -25 | -12 |

C) COMPRESSION SET

CURING CONDITIONS

PRESS CURE @170 DEGREE C X 20 MIN

POST CURE @230 DEGREE C X 24HRS

HEAT AGING @175 DEGREE C X 22 HRS, % ,max

HEAT AGING @200 DEGREE C X 22 HRS, % ,max

| | |
|----|----|
| 50 | 8 |
| 50 | 16 |

D) FLUID AGING ,ASTM D471

70 HOURS @ 23°C±3°C IN FUELC

HARDNESS CHANGE,POINT

TENSILE STRENGTH CHANGE, %

ELONGATION CHANGE, %

VOLUME CHANGE, %

| | |
|-------|-----|
| +/-5 | -3 |
| -25 | -21 |
| -20 | -19 |
| 0~+10 | +3 |

E) LOW TEMPERATURE BRITTLENESS

TESTS AFTER 3MIN AT -25 DEGREE C

NONBRITTLE

NOTE:THE ABOVE TEST WAS TESTED WITH TEST PIECE AND FOR YOUR REFERENCE ONLY.
THIS COMPOUND V7502B CAN MEET ASTM D2000 M2HK810 A1-10 B37 B38 EF31 F15

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Test by:QC08

