

## TEST REPORT

**MATERIAL : FKM 75 DURO BLACK DUPONT**
**COMPOUND NO. : V7541B**
**A) PHYSICAL PROPERTIES:**

PRESS CURE @170 DEGREE C X 10 MIN

POST CURE @230 DEGREE C X 24HRS

HARDNESS, SHOREA

TENSILE STRENGTH, PSI, MIN

ELONGATION, %, MIN

SPECIFIC GRAVITY

**REQUIREMENT TEST RESULT**

75+/-5 75

1600 1841

125 212

1.821

**B) AIR AGE 70 HOURS @270°C±5°C**

TENSILE STRENGTH CHANGE, % MAX

ELONGATION CHANGE, %,MAX

HARDNESS CHANGE,POINTS

WEIGHT LOSS,%, MAX

-35 -3

-25 -18

-5~+10 +3

10 5

**C) COMPRESSION SET**

CURING CONDITIONS

PRESS CURE @170 DEGREE C X 20 MIN

POST CURE @230 DEGREE C X 24HRS

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

15 11

**D) LOW TEMPERATURE RETRACTION, 10% (TR-10)**

ASTM D1329, TIME 10MIN±3 @-70°C±3°C

TEMP. RETRACTION

+5 +4

**E) COMPRESSION SET, ASTM D395**

336 HOURS @ 200°C±3°C, MAX

40 30

**F) FLUID AGING, ASTM D471,**

70 HOURS @ 200°C±3°C IN ARM 200

HARDNESS CHANGE, POINT

TENSILE STRENGTH CHANGE, %

ELONGATION CHANGE, %

VOLUME CHANGE, %

0~-15 -9

-25 -25

-20 -13

1~+20 +15

**G) FLUID AGING, ASTM D471**

70 HOURS @ 23°C±3°C IN FUEL B

HARDNESS CHANGE, POINT

TENSILE STRENGTH CHANGE, %

ELONGATION CHANGE, %

VOLUME CHANGE, %

+/-5 1

-20 -9

-20 -7

1~+10 +2

NOTE: THE ABOVE TEST WAS TESTED WITH TEST PIECE AND FOR YOUR REFERENCE ONLY.

THIS COMPOUND V7541B CAN MEET MIL-R-83248C TYPE II (CLASS 1)

**QA Manager: Grace Chen**
**QC Dept: Dolly Zhou**
