



The Manufacturer of Sealing Parts

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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

Test by:QC08