

TEST REPORT

MATERIAL: SILICONE 70 DURO ELECTRICITY CONDUCTIVE COMPOUND NO. :S7045B

A) PHYSICAL PROPERTIES:

PRESS CURE @ 170 DEGREE C X 10MIN

POST CURE @ 200 DEGREE C X 4 HRS

HARDNESS, SHORE A

TENSILE STRENGTH, MPa, min

ELONGATION, %, min

VOLUME RESISTIVITY, Ω -cm

SPECIFIC GRAVITY,

REQUIREMENTS TEST RESULT

70 +/- 5 74

5.0 5.9

150 189

10.0

1.172

B) HEAT RESISTANCE @ 175°C X 70HRS

HARDNESS CHANGE, POINTS

+10 +0

TENSILE STRENGTH CHANGE, %

-25 +2

ELONGATION CHANGE, %

-30 -6

C) COMPRESSION SET

CURING CONDITIONS

PRESS CURE @ 170 DEGREE C X 20 MIN

POST CURE @ 200 DEGREE C X 4HRS

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

30 25

D) ASTM NO.1 OIL IMMERSION @ 150°C X 70HRS

HARDNESS CHANGE, POINTS

0~-15 -10

TENSILE STRENGTH CHANGE, %

-20 -19

ELONGATION CHANGE, %

-20 +42

VOLUME CHANGE, %

0~+15 +8

E) ASTM IRM 903 OIL IMMERSION @ 150°C X 70HRS

HARDNESS CHANGE, POINTS

-40 -32

VOLUME CHANGE, %

+60 +53

NOTE : THE ABOVE TEST WAS TESTED WITH TEST PIECE AND FOR YOUR REFERENCE ONLY
THIS COMPOUND S7045B CAN MEET ASTM D2000 M7GE705 A19 B37 EO16 EO36

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