

## 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

TENSILE STRENGTH CHANGE, %

ELONGATION CHANGE, %

+10	+0
-25	+2
-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
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**D) ASTM NO.1 OIL IMMERSION @ 150°C X 70HRS**

HARDNESS CHANGE, POINTS

TENSILE STRENGTH CHANGE, %

ELONGATION CHANGE, %

VOLUME CHANGE, %

0~-15	-10
-20	-19
-20	+42
0~+15	+8

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

HARDNESS CHANGE, POINTS

VOLUME CHANGE, %

-40	-32
+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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**Test by: QC08**