



**ESCORT SEAL**

*The Manufacturer of Sealing Parts*

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TEST REPORT

MATERIAL: AEM 70 DURO BLACK COMPOUND:M7001B

A) PHYSICAL PROPERTIES:

PRESS CURE @180 DEGREE C X 10 MIN

POST CURE @200 DEGREE C X 1 HR

HARDNESS, SHORE A

TENSILE STRENGTH, MPa

ELONGATION, %

SPECIFIC GRAVITY

REQUIREMENTS

70 ± 5

8

200

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TEST RESULT

68

14

341

1.2668

B) COMPRESSION SET

CURING CONDITIONS

PRESS CURE @175 DEGREE C X 22 HR

PRESS CURE @150 DEGREE C X 70 HR

HEAT AGING @100°C X22HRS, %

50

50

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23

25

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C) Oven Air @175°C X 168HRS

HARDNESS CHANGE, POINTS

TENSILE STRENGTH CHANGE, %

ELONGATION CHANGE, %

VOLUME CHANGE, %

10

-30

-50

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8

+13

-11

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D) ASTM IRM 901 @150°C X 70 HRS

HARDNESS CHANGE, POINTS

TENSILE STRENGTH CHANGE, %

ELONGATION CHANGE, %

VOLUME CHANGE, %

-10~+5

-25

-35

±15

-1

+9

-6

+3.3

E) ASTM IRM 903 @150°C X 70 HRS

HARDNESS CHANGE, POINTS

TENSILE STRENGTH CHANGE, %

ELONGATION CHANGE, %

VOLUME CHANGE, %

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-60

-55

+70

-23

-17

-14

+44

F) WATER @100°C X 70 HRS

HARDNESS CHANGE, POINTS

TENSILE STRENGTH CHANGE, %

ELONGATION CHANGE, %

VOLUME CHANGE, %

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+15

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+2

NOTE: THE ABOVE TESTS WAS TESTED WITH TEST PIECE AND FOR YOUR REFERENCE ONLY. THIS COMPOUND M7001B CAN MEET ASTM D2000 M3 EE708 A47 B37 B46 EO16 EO36 EA14

QA Manager: Dabou Ku

QC.Dept:Sindy Fan

Test by:QC08