

**ESCORT SEAL***The Manufacturer of Sealing Parts*

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TEST REPORT**MATERIAL: EP 70 DURO BLACK COMPOUND NO:E5001B****A) PHYSICAL PROPERTIES:**

PRESS CURE @170 DEGREE C X 7 MIN

POST CURE @120 DEGREE C X 1 HRS

HARDNESS, SHORE A

TENSILE STRENGTH, psi ,Min

ELONGATION, % ,min

SPECIFIC GRAVITY

REQUIREMENTS	TEST RESULT
50 ± 5	51
1450	2190
300	723
***	1.076

B) HEAT RESISTANCE @70 DEGREE C X 70HRS

HARDNESS CHANGE, POINTS

TENSILE STRENGTH CHANGE, %

ELONGATION CHANGE, %

VOLUME CHANGE, %

+0.2
-1
-3
-0.2

C) HEAT RESISTANCE @100 DEGREE C X 70HRS

HARDNESS CHANGE, POINTS

TENSILE STRENGTH CHANGE, %

ELONGATION CHANGE, %

VOLUME CHANGE, %

+2.1
-1
-12
-0.6

D) HEAT RESISTANCE @125 DEGREE C X 70HRS

HARDNESS CHANGE, POINTS

TENSILE STRENGTH CHANGE, %

ELONGATION CHANGE, %

VOLUME CHANGE, %

+10	+3.1
-20	-19
-40	-23
	-1.3

E) FLUID RESISTANCE, TEST METHOD WATER @100 DEGREE C X 70 H

HARDNESS CHANGE, POINTS

TENSILE STRENGTH CHANGE, %

ELONGATION CHANGE, %

VOLUME CHANGE, %

-3.2
-14
-11
+2.1

F) COMPRESSION SET

@70 DEGREE C X 22 HRS %, max

@125 DEGREE C X 22 HRS %, max

	13
70	64

NOTE: 1. THE ABOVE TESTS WAS TESTED WITH TEST PIECE AND FOR YOUR REFERENCE ONLY.
THIS COMPOUND E5001B CAN MEET ASTM D2000 M4CA510A25B35

QA Manager: Dabou Ku

QC Dept: Sindy Fan

Test by: QC08