



ESCORT SEAL

The Manufacturer of Sealing Parts

ESCORT SEAL CO., LTD.
NO.22, BEIYUAN RD., ZHONGLI
DIST., TAOYUAN CITY
32063, TAIWAN
Tel :+886 (03)4515000
Fax:+886 (03)4510123
Website: <http://www.seal.com.tw>

TEST REPORT

MATERIAL: PU 70 DURO YELLOW COMPOUND NO:U7001Y

A) PHYSICAL PROPERTIES:

PRESS CURE @170 DEGREE C X 5 MIN

PRESS CURE @170 DEGREE C X 10 MIN

HARDNESS, SHORE A 硬度

TENSILE STRENGTH, psi 拉力強度,Min

ELONGATION, % 延伸率,min

SPECIFIC GRAVITY 比重

REQUIREMENTS	TEST RESULT
70 ± 5	69.5
3046	4087
350	808
***	1.322

B) HEAT RESISTANCE @70 DEGREE C X 70HRS

HARDNESS CHANGE, POINTS 硬度變化,max

TENSILE STRENGTH CHANGE, % 拉力強度變化,max

ELONGATION CHANGE, % 延伸率變化,max

VOLUME CHANGE, % 體積變化

***	+3.5
***	+11
***	0
***	-2.1

A14 HEAT RESISTANCE @100 DEGREE C X 70HRS

HARDNESS CHANGE, POINTS 硬度變化,max

TENSILE STRENGTH CHANGE, % 拉力強度變化,max

ELONGATION CHANGE, % 延伸率變化,max

VOLUME CHANGE, % 體積變化

± 5	+3.1
± 15	+5
-15	+3
***	-2.2

EO14 FLUID RESISTANCE,IRM901 @100 DEGREE C X 70 H

HARDNESS CHANGE, POINTS 硬度變化,max

TENSILE STRENGTH CHANGE, % 拉力強度變化,max

ELONGATION CHANGE, % 延伸率變化,max

VOLUME CHANGE, % 體積變化

-7~+5	+0.3
-20	-3
-40	+11
± 5	-2.9

EO34 FLUID RESISTANCE,IRM903 @100 DEGREE C X 70 H

HARDNESS CHANGE, POINTS 硬度變化,max

TENSILE STRENGTH CHANGE, % 拉力強度變化,max

ELONGATION CHANGE, % 延伸率變化,max

VOLUME CHANGE, % 體積變化

-10~+5	-2.9
-35	-5
-40	+11
0~+6	+1.5

FLUID RESISTANCE, WATER(DISTILLED) @100 DEGREE C X 70 H

HARDNESS CHANGE, POINTS 硬度變化,max

TENSILE STRENGTH CHANGE, % 拉力強度變化,max

ELONGATION CHANGE, % 延伸率變化,max

VOLUME CHANGE, % 體積變化

***	-38.6
***	-94
***	+32
***	+10.8

COMPRESSION SET 壓縮永久變形試驗

ASTM D395 @70 DEGREE C X 22 H

ASTM D395 @100 DEGREE C X 22 H

***	24
50	29

NOTE: THE ABOVE TESTS WAS TESTED WITH TEST PIECE AND FOR YOUR REFERENCE ONLY.

THIS COMPOUND U7001Y CAN MEET ASTM D2000 M4BG721A14B14EO14EO34

QA Manager: Dabou Ku

QC.Dept:Sindy Fan

Test by:QC08