



TEST REPORT

Room 1801-2, TOWER B, REGENT CENTRE,
63 WO YI HOP ROAD, KWAI CHUNG,
NEW TERRITORIES, HONG KONG
TEL: (852) 2429 7022 FAX: (852) 2429 7266
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Report No.: 05164-09

September 1, 2009

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APPLICANT:
Espomega S.A.DE C.V

Mr. David Shapiro
DEPT: HEAD OFFICE
Pablo A Gonzalez Garza 820 Pte Col Chepevera
Monterrey N.L Mexico 64030

Test(s) requested : REFER RESULT REPORT
Product Category : -- Product Type : --

Sample description: 51-975: Black latex coated on 13 gauge black nylon knitted glove liner, crinkle finished.

Style / Article no.	: 51-975	Buyer	: --
Ref no.	: --	Exported to	: --
Order no.	: --	Date of receipt of application form	: Aug 27, 2009
		Date of receipt of sample	: Jun 17, 2009 Jun 25, 2009
Supplier	: --	Testing period	: August 27, 2009 – September 1, 2009
Number of sample(s)	: 13 PAIRS OF GLOVES	Service required	: REGULAR

1. Conclusion:

Testing	Result	Combine / Separate Test Item(s)	Failed Test Item(s)
▲ Abrasion resistance of glove	Level 2	(S01)	---
● Blade cut resistance of glove	Level 1	(S02)	---
● Tear resistance of glove	Level 3	(S01)	---
● Puncture resistance of glove	Level 1	(S01)	---

- The test result is originated from report 03820-09
- ▲ The test result is originated from report 04537-09

Please refer to page 3 test result table.

Approved by

Original signed

John Cheung Fai Cheong
Assistant Laboratory Supervisor



Asia

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2. Label(s) on the sample(s):

Sample(s)	ID	Size	Style/Art. No.	Sub-sample(s)	Component(s)	Colour
(01)	i	--	51-975	(a)	Glove	Black/Brown
(01)	ii	--	51-975	(a)	Glove	Black/Brown
(01)	iii	--	51-975	(a)	Glove	Black/Brown
(01)	iv	--	51-975	(a)	Glove	Black/Brown
(01)	v	--	51-975	(a)	Glove	Black/Brown
(01)	vi	--	51-975	(a)	Glove	Black/Brown
(01)	vii	--	51-975	(a)	Glove	Black/Brown
(01)	viii	--	51-975	(a)	Glove	Black/Brown
(01)	ix	--	51-975	(a)	Glove	Black/Brown
(02)	i	--	51-975	(a)	Glove	Black/Yellow
(02)	ii	--	51-975	(a)	Glove	Black/Yellow
(02)	iii	--	51-975	(a)	Glove	Black/Yellow
(02)	iv	--	51-975	(a)	Glove	Black/Yellow

Remarks: (1) ID is used for identification in which the numbers of sample received are of the same article, ref. no., colour, etc.

3. Sample(s) description assigned by laboratory:

Test item	Sample(s)	Combine / Separate sub-sample(s)
(S01)	(01)-i+ii	(a)
(S02)	(01)-iii	(a)
(S03)	(02)-i+ii	(a)



Sample 01 (Report No: 03820-09)



Sample 02 (Report No: 04537-09)



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4. Test Results :

TEST METHOD		Test item(s) (S03)		Requirement	P/F
1 ▲	Abrasion resistance of glove # (NF EN 388:2004 §6.1) Lowest value of four tests : Performance Level :	730 3			

TEST METHOD		Test item(s) (S01)		Requirement	P/F
2 ●	Tear resistance of glove # (NF EN 388:2004 §6.3) Lowest value of four tests (N): Performance Level :	61 3			
3 ●	Puncture resistance of glove # (NF EN 388:2004 §6.4) Lowest value of four tests (N): Performance Level :	53 1		--- ---	--- ---

TEST METHOD		Test item(s) (S02)		Requirement	P/F
		Index (I)			
		Test 1	Test 2		
4 ●	Blade cut resistance of glove # (NF EN 388:2004 §6.2) Sequence				
	1	2.7	1.8	---	
	2	1.5	1.5	---	
	3	1.5	1.9	---	
	4	1.6	1.3	---	
	5	1.3	1.7	---	
	Average (I):	1.7	1.6	---	
	Lowest average value (I) :	1.6		---	---
	Performance Level :	1		---	---

- The test result is originated from report 03820-09.
- ▲ The test result is originated from report 04537-09.

Table of Performance Level for Glove

Test Item	Performance Level					
	0 ^{##}	1	2	3	4	5
Abrasion Resistance (NF EN 388:2004 §6.1) Number of cycles (minimum)	< 100	100	500	2000	8000	---
Blade Cut Resistance (NF EN 388:2004 §6.2) Index (I) (minimum)	< 1.2	1.2	2.5	5.0	10.0	20.0
Tear Resistance (NF EN 388:2004 §6.3) Force (N) (minimum)	< 10	10	25	50	75	---
Puncture Resistance (NF EN 388:2004 §6.4) Force (N) (minimum)	< 20	20	60	100	150	---

^{##} Performance level 0 means the glove falls below the minimum performance level for the given individual hazard.

- End of report -

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