



# TEST REPORT



RM 1801-02, 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.: 04094-09

July 8, 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 : EN 388 TESTS      Product Category : --      Product Type : --

Sample description: 51-810:Black Nitrile palm coated on 13 gauge grey nylon knitted glove, foam finished.

Style / Article no.	: 51-810	Buyer	: --
Ref no.	: --	Exported to	: --
Order no.	: --	Date of receipt of application form	: Jul 2, 2009
		Date of receipt of sample	: Jul 2, 2009
Supplier	: --	Testing period	: July 2, 2009 – July 8, 2009
Number of sample(s)	: 8 PAIRS OF GLOVES	Service required	: REGULAR

### 1. Conclusion:

Testing	Result	Combine / Separate Test Item(s)	Failed Test Item(s)
Abrasion resistance of glove	Level 4	(S01)	---
Blade cut resistance of glove	Level 1	(S02)	---
Tear resistance of glove	Level 2	(S01)	---
Puncture resistance of glove	Level 1	(S01)	---

The abrasion resistance got level 4; the blade cut and puncture resistance both got level 1; the tear resistance got level 2 according to EN 388 standard.

Approved by

John Cheung Fai Cheong  
Assistant Laboratory Supervisor

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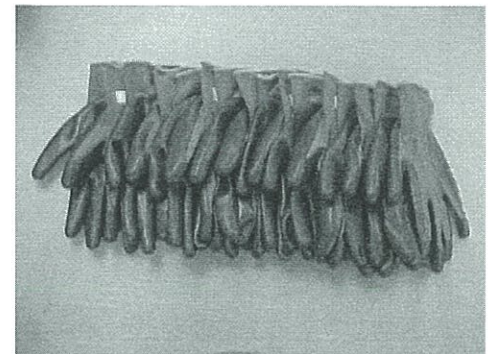
## 2. Label(s) on the sample(s):

Sample(s)	ID	Size	Style/Art. No.	Sub-sample(s)	Component(s)	Colour
(01)	i	--	51-810	(a)	Glvoe	Black/Grey
(01)	ii	--	51-810	(a)	Glvoe	Black/Grey
(01)	iii	--	51-810	(a)	Glvoe	Black/Grey
(01)	iv	--	51-810	(a)	Glvoe	Black/Grey
(01)	v	--	51-810	(a)	Glvoe	Black/Grey
(01)	vi	--	51-810	(a)	Glvoe	Black/Grey
(01)	vii	--	51-810	(a)	Glvoe	Black/Grey
(01)	viii	--	51-810	(a)	Glvoe	Black/Grey

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)



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#### 4. Test Results :

TEST METHOD		Test item(s) (S01)	Requirement	P/F
1	<b>Abrasion resistance of glove #</b> (NF EN 388:2004 §6.1) Lowest value of four tests : Performance Level :	>8,000 4	--- ---	--- ---
2	<b>Tear resistance of glove #</b> (NF EN 388:2004 §6.3) Lowest value of four tests (N): Performance Level :	26 2	--- ---	--- ---
3	<b>Puncture resistance of glove #</b> (NF EN 388:2004 §6.4) Lowest value of four tests (N): Performance Level :	30 1	--- ---	--- ---

TEST METHOD		Test item(s) (S02)		Requirement	P/F
		Index (I)			
		Test 1	Test 2		
4	<b>Blade cut resistance of glove #</b> (NF EN 388:2004 §6.2) Sequence				
	1	1.5	1.4	---	
	2	1.5	1.3	---	
	3	1.5	1.3	---	
	4	1.8	1.4	---	
	5	1.5	1.3	---	
	Average (I):	1.6	1.3	---	
	Lowest average value ( I ) :	1.3		---	---
	Performance Level :	1		---	---

# Table of Performance Level for Glove

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

<sup>##</sup> Performance level 0 means the glove falls below the minimum performance level for the given individual hazard.

- End of report -

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