



# TEST REPORT



RM 1801-02, TOWER B, REGENT CENTRE,  
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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: 51-905: Nitrile 3/4 coated smooth finished with 13 gauge white nylon liner

Style / Article no.	: 51-905	Buyer	: --
Ref no.	: --	Exported to	: --
Order no.	: --	Date of receipt of application form	: Jun 17, 2009
		Date of receipt of sample	: Jun 17, 2009
Supplier	: --	Testing period	: June 17, 2009 – June 24, 2009
Number of sample(s)	: 7 PAIRS OF GLOVES	Service required	: REGULAR

**1. Conclusion:**

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

The abrasion resistance got level 3; the blade cut resistance got level 1; the tear and puncture resistance both 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	--	51-905	(a)	Glove	Blue/White/Brown
(01)	ii	--	51-905	(a)	Glove	Blue/White/Brown
(01)	iii	--	51-905	(a)	Glove	Blue/White/Brown
(01)	iv	--	51-905	(a)	Glove	Blue/White/Brown
(01)	v	--	51-905	(a)	Glove	Blue/White/Brown
(01)	vi	--	51-905	(a)	Glove	Blue/White/Brown
(01)	vii	--	51-905	(a)	Glove	Blue/White/Brown

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)		Requirement	P/F
		(S01)			
1	<b>Abrasion resistance of glove<sup>#</sup></b> (NF EN 388:2004 §6.1) Lowest value of four tests : Performance Level :	6,080 3		---	---
2	<b>Tear resistance of glove<sup>#</sup></b> (NF EN 388:2004 §6.3) Lowest value of four tests (N): Performance Level :	39 2		---	---
3	<b>Puncture resistance of glove<sup>#</sup></b> (NF EN 388:2004 §6.4) Lowest value of four tests (N): Performance Level :	65 2		---	---

TEST METHOD		Test item(s)		Requirement	P/F	
		(S02)				
4	<b>Blade cut resistance of glove<sup>#</sup></b> (NF EN 388:2004 §6.2) Sequence	Index (I)		---	---	
		Test 1	Test 2			
		1	1.7			1.8
		2	1.6			1.7
		3	1.9			1.3
		4	1.4			1.4
		5	1.8			1.9
Average (I):		1.7	1.6	---	---	
Lowest average value ( I ) :		1.6		---	---	
Performance Level :		1		---	---	

<sup>#</sup> 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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