



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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TEST REPORT

Report No.: 07608-09



December 18, 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) EN 388 TESTS Product Category : -- Product Type : --
requested :

Sample description: 51-625 DERMA PRO, 13 gauge knitted glove with PU palm coated, Blend with engineer Yarn for cut protection, Salt and pepper style.

Style / Article no.	: 51-625 DERMA PRO	Buyer	: --
Ref no.	: --	Exported to	: --
Order no.	: --	Date of receipt of application form	: Dec 10, 2009
		Date of receipt of sample	: Dec 10, 2009
Supplier	: --	Testing period	: December 10, 2009 – December 18, 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 5	(S02)	---
Tear resistance of glove	Level 4	(S01)	---
Puncture resistance of glove	Level 3	(S01)	---

The abrasion and tear resistances both got level 4; the blade cut resistance got level 5 and the puncture resistance got level 3 according to EN 388 standard.

Approved by

Original signed

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	XL	51-625 DERMA PRO	(a)	Glove	Grey/Black/White
(01)	ii	XL	51-625 DERMA PRO	(a)	Glove	Grey/Black/White
(01)	iii	XL	51-625 DERMA PRO	(a)	Glove	Grey/Black/White
(01)	iv	XL	51-625 DERMA PRO	(a)	Glove	Grey/Black/White
(01)	v	XL	51-625 DERMA PRO	(a)	Glove	Grey/Black/White
(01)	vi	XL	51-625 DERMA PRO	(a)	Glove	Grey/Black/White
(01)	vii	XL	51-625 DERMA PRO	(a)	Glove	Grey/Black/White
(01)	viii	XL	51-625 DERMA PRO	(a)	Glove	Grey/Black/White

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	Abrasion resistance of glove[#] (NF EN 388:2004 §6.1) Lowest value of four tests : Performance Level :	>8,000 4	--- ---	--- ---
2	Tear resistance of glove[#] (NF EN 388:2004 §6.3) Lowest value of four tests (N): Performance Level :	>200 4	--- ---	--- ---
3	Puncture resistance of glove[#] (NF EN 388:2004 §6.4) Lowest value of four tests (N): Performance Level :	116 3	--- ---	--- ---

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	37.2	37.7	---	
	2	74.0	42.4	---	
	3	24.4	30.9	---	
	4	---	---	---	
	5	---	---	---	
	Average (I):	45.2	37.0	---	
	Lowest average value (I) :	37.0		---	---
	Performance Level :	5		---	---

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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