



TEST REPORT



Athens, 08/02/2008
Ref Nr: 270

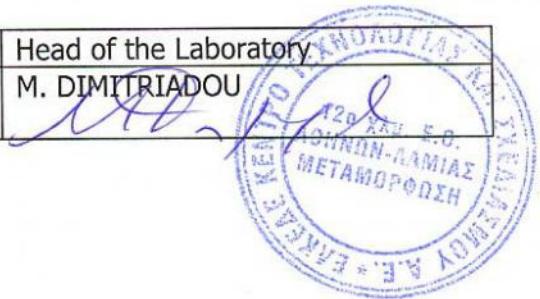
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ANNEX TO TEST REPORT OF ORDER No: 31A, REF. No: 736/21-03-2000 TRANSLATION IN ENGLISH

TEST REPORT

CUSTOMER :	POLIDOROS G. LEPTOKARIDIS
ADDRESS :	I. Koletti 26, 546 27 Thessaloniki
SAMPLES :	Fourteen (14) pairs of KEVLAR mitts, code 0453X/30 Three (3) pairs of KEVLAR gloves, code 0453/305a Sewing thread
SAMPLING :	By the customer
TESTS :	EN 420, EN 388, EN 407

Edited by :	Testing by :	Head of the Laboratory
S. VAVALIDOU	M. AGAPAKIS C. EFORAKOPOULOU	M. DIMITRIADOU



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ANNEX TO TEST REPORT OF ORDER No: 31A, REF. No: 736/21-03-2000
TRANSLATION IN ENGLISH

TEST: Resistance to Penetration

METHOD: EN 388: 94

REQUIREMENT:

LEVEL	RESISTANCE TO PENETRATION (Minimum Force in N)
1	20
2	60
3	100
4	150

TEST RESULTS:

NUMBER OF SPECIMEN	RESISTANCE TO PENETRATION (N)
1	210
2	184
3	157,5
4	215
LEVEL : 4	



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**ANNEX TO TEST REPORT OF ORDER No: 31A, REF. No: 736/21-03-2000
TRANSLATION IN ENGLISH**

TEST: Resistance to Tear

METHOD: EN 388: 94

REQUIREMENT:

LEVEL	RESISTANCE TO TEAR (Minimum Force in N)
1	10
2	25
3	50
4	75

TEST RESULTS:

NUMBER OF SPECIMEN	RESISTANCE TO TEAR (N)
1	650
2	482,5
3	686,5
4	520,6



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ANNEX TO TEST REPORT OF ORDER No: 31A, REF. No: 736/21-03-2000
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TEST: Blade Cut Resistance

METHOD: EN 388: 94

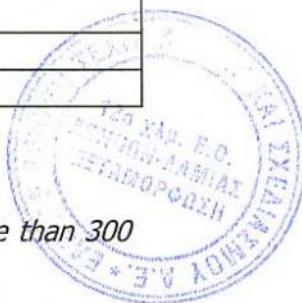
REQUIREMENT:

LEVEL	BLADE CUT RESISTANCE (Minimum Index)
1	1,2
2	2,5
3	5,0
4	10,0
5	20,0

TEST RESULTS:

NUMBER OF SPECIMEN	BLADE CUT RESISTANCE (Index)	LEVEL
1	> 20 (*)	5
2	-	-

(*) The test was not concluded due to the fact that the specimen completed more than 300 cycles without presenting a full cut through all three layers of fabric.





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ANNEX TO TEST REPORT OF ORDER No: 31A, REF. No: 736/21-03-2000 TRANSLATION IN ENGLISH

TEST: Abrasion Resistance

METHOD: EN 388: 94

REQUIREMENT:

LEVEL	ABRASION RESISTANCE (Minimum number of cycles)
1	100
2	500
3	2.000
4	8.000

TEST RESULTS :

SPECIMEN NUMBER	ABRASION RESISTANCE (Number of cycles)
1	> 8.000
2	> 8.000
3	> 8.000
4	> 8.000
LEVEL : 4	



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**ANNEX TO TEST REPORT OF ORDER No: 31A, REF. No: 736/21-03-2000
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TEST: Water Vapour Transmission and Absorption

METHOD: EN 420: 94

REQUIREMENT:

A. Minimum Water Vapour Transmission 2 mg/cm²h.

TEST RESULTS:

NUMBER OF SPECIMEN	WATER VAPOUR TRANSMISSION (mg/cm ² h)	WATER VAPOUR ABSORPTION (mg/cm ²)
1	5,9	Based on the Water Vapour Transmission results this test is not required
2	5,06	
3	6,7	





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**ANNEX TO TEST REPORT OF ORDER No: 31A, REF. No: 736/21-03-2000
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TEST: Dexterity

METHOD: EN 420: 94

REQUIREMENT:

LEVEL	CYLINDER DIAMETER (mm)
1	11
2	9,5
3	8
4	6,5
5	5

TEST RESULTS :

NUMBER OF PAIR	LEVEL
1	< 1
2	< 1
3	< 1
4	≤ 1



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ANNEX TO TEST REPORT OF ORDER No: 31A, REF. No: 736/21-03-2000
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TEST: Length of Glove

METHOD: EN 420: 94

REQUIREMENT:

SIZE	MINIMUM LENGTH (mm)
6	220
7	230
8	240
9	250
10	260
11	270

TEST RESULTS:

SAMPLE	GLOVE LENGTH (mm)	
	LEFT	RIGHT
No 1: Glove	300	297
No 2 : Mitt	305	310

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ANNEX TO TEST REPORT OF ORDER No: 31A, REF. No: 736/21-03-2000
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TEST: pH, ΔpH

METHOD: EN 420: 94

REQUIREMENT:

- A. For all types of gloves pH close to 7,0
- B. For leather gloves pH must be more than 3,5 and less than 9,5

TEST RESULTS :

SPECIMEN	pH	ΔpH
Inner fabric	8,3	-
Outer fabric	8,3	-



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ANNEX TO TEST REPORT OF ORDER No: 31A, REF. No: 736/21-03-2000
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TEST: Hand circumference

METHOD: EN 420: 94 par. 5.1

HAND SIZES:

HAND SIZE *	HAND CIRCUMFERENCE	LENGTH
6	152	160
7	178	171
8	203	182
9	229	192
10	254	204
11	279	215

* This code is compatible with the hand size that corresponds to the hand circumference in inches.

TEST RESULTS:

SAMPLE	HAND CIRCUMFERENCE (mm)	
	Left	Right
No 1: Glove	305	306
No 2 : Mitt	293	292



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TEST	METHOD	RESULTS			LEVEL	REQUIREMENT			
		3s	15s			<u>Level</u>	<u>Afterflame (s)</u>	<u>Afterglow (s)</u>	
5.1. Burning behaviour	ISO 6941 : 1984 (modified with EN 407, 6.3)								
		Afterflame (s)	0	1,0	1	≤ 20	-		
		Afterglow (s)	0	0	2	≤ 10	≤ 120		
		Melting	no	no	3	≤ 3	≤ 25		
		Dripping	no	no	4	≤ 2	≤ 5		
5.2. Contact heat	EN 702:1992	Opening of seams			Seams shall after 15 sec	not come	apart		
		-	no		4				
		Specimen	Time (s)			<u>Level</u>	<u>Temperature °C</u>	<u>t_{tr} s</u>	
Contact temperature 350°C		1	18,9						
		2	19,1		1	100	≥ 15		
		3	19,3		2	250	≥ 15		
		Average	19		3	350	≥ 15		
		Specimen	Time (s)		4	500	≥ 15		
Contact temperature 500°C		1	13,3						
		2	14,2						
		3	13,6						
		Average	14		3				



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TEST	METHOD	RESULTS		LEVEL	REQUIREMENT	
		Specimen	Droplets		Level	Droplets
5.5 Small splashes of molten metal	EN 348 : 1992	1	> 40	1	≥ 5	
		2	> 40	2	≥ 15	
		3	> 40	3	≥ 25	
		4	> 40	4	≥ 35	
		Average	>40	4		

NOTES

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