



Report No. : CH:TX:8420041933

DATE : 02/08/2017

KOL - 4120

PRESIDENT SAFETY B.V.

P.O. BOX 100, 3220 AC HELLEVOETSLUIS-3220 AN

CONTACT PERSON : Mr. ROLF KRUINIGER

THE FULLOWING SAMPLE(S)	WAS/WERE SUBMITTED AND IDENTIFIED BY/ON BEHALF OF THE CUSTOMER AS:
SAMPLE DESCRIPTION	GLOVES
	GOAT SKIN, SPLIT LEATHER
	4 TIP WELDERS GLOVE IN AB GRADE GOAT SKIN 0.7 / 0.9 MM CUFF IN SOFT SPLIT 0.9
	/ 1MM GUNN CUT
COLOUR	NATURAL
STYLE NO.	2.0332.428.10 8 CM CUFF / 2.03.32.430.10 10 CM CUFF/2.03.32.432.10 /12 CM
	CUFF/2.03.32.435.10 15 CM CUFF/2.03.32.438.10 18 CM CUFF/2.03.32.440 .10 20 CM CUFF

THE FOLLOWING SAMPLESS WASAWERE SUPMITTED AND IDENTIFIED BY/ON REHALF OF THE CUSTOMED AS .

COUNTRY OF DESTINATION COUNTRY OF ORIGIN PHOTO APPENDIX.



NETHERLANDS

EUROPE

SAMPLE RECD ON	13/07/2017 TESTING PERIOD : 19/07/2017 - 27/07/2017						
Summary of Test Results							
Test Method		Test Name Status					
BS EN 12477:2001+A1.2005		Protective Gloves for welders. Refer enclosed pa					
	Protective gloves against thermal fisks (heat and/or fire.)						
EN 407:2004		Radiant heat	Peformance Level 2				
		Large quantities of molten metal	Peformance Level 2				
	Protec	ctive gloves – General requirements					
EN 420:2003+A1.2009		Sizing	Refer enclosed pages.				
	Water vapour transmission and absorption		Pass				
		Chromium VI	Pass				

Per pro SGS India Private Ltd.

K. Pan.

K. PACHAIYAPPAN ASST. MANAGER

Email your Test Report Related Enquiries at Feedback.SLT@sgs.com

Test results are extracted from CH:TX: 8420038725,Dtd 27/07/2017 and issued separate report.

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DATE: 02/08/2017

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RESULTS

BS EN 12477:2001+A1.2005 Protective Gloves for welders.

Clause	use Test Name Test Result		sult	Requirement		Status/ Performance	
		Method			Туре А	Type B	level
3.2	Minimum Length of Gloves (mm)	EN 420:2003 +A1:2009 (6.1)	358	361			/
3.4	Visual Observation	BS EN 12477:2001 +A1.2005	Observation : Th contain any elec connection betwee inside	Gloves shall be designed without electrical conductive connection between their outside and inside parts		Pass	
5.1	Abrasion Resistance (Cycles)	EN 388:2016 (6.1)	Palm / Back 500 500	500 500	Min: 500 Cycles	Min: 100 Cycles	Pass Type A&B Level 2
5.2	Cut Resistance (Index)	EN 388:2016 (6.2)	Palm 1.50 1.46 1.52 Avg:1.47 1.44 1.42	1.48 1.48 1.45 Avg:1.47 1.32 1.43	Min: 1.2 (Index)	Min: 1.2 (Index)	Pass Type A&B Level 1
5.3	Tear Resistance (N)	EN 388:2016 (6.4)	Palm 28.4 32.7	35.3 37.5	Min: 25 N	Min:10 N	Pass Type A&B Level 2
5.4	Puncture Resistance (N)	EN 388:2016 (6.5)	Palm 74.0 84.1	67.0 89.1	Min: 60 N	Min: 20 N	Pass Type A&B Level 2
5.5	Burning behaviour Ignition Time : 15s After Flame Time (s) After glow Time (s) Observation	EN 407:2004 (6.3)	0 0 O C Shell material gets m drips. The innermost surfac show any sign of melt The seam did not con ignition time of 15 s ir	elted but doesn't e of the glove did not ting ne apart after an	≤ 3s ≤ 25s If it melts, the shall not drip Furthermore innermost su the glove sha inspected. It no sign of me The seam sh come apart a ignition time the test area	the the Irface of all be shall show elting, hall not after an of 15 s in	Pass Type A&B Level 4

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RESULTS

BS EN 12477:2001+A1.2005 Protective Gloves for welders.

Clause	Test Name	Standard/ Test	Result		Requ	irement	Status/ Performance		
		Method					Туре А	Туре В	level
5.6	Contact heat Resistance Contact Temp : 100°C Threshold Time (s)	ISO 12127 -1	Palm 26.8s 29.5s <u>31.6s</u> Avg: 29s		≥15s	≥15s	Pass Type A&B Level 1*		
5.7	Convective heat Resistance HTi ₂₄ (s)	ISO 9151		Palm/B 9.6s 11.7 8.1s Avg:1	5 5 5		≥7s	-	Pass Type A&B Level 3*
5.8	Resistance to small splashes of molten metal The number of droplets to rise 40 °C	EN 348: 1992		Back/0 >35 >35 >35 >35 >35 Avg: >			≥25 Droplets	≥15 Droplets	Pass Type A&B Level 4*
5.9	Dexterity Smallest pin diameter (mm)	EN 420:2003 +A1:2009 (5.2)	5.0	5.0	5.0	5.0	Smallest diameter of pin 11 mm	Smallest diameter of pin 6.5 mm	Pass Type A&B Level 5
5.10	Electrical vertical resistance**	EN 1149-2: 1997	Palm/Ba	ick 7.13 X ²	10 ⁷ Ω		>10 ⁵ Ω	>10 ⁵ Ω	Pass Type A&B

*→ Level classified as per EN 407:2004.

**→ Test was performed after 24 hours conditioning at a temperature of (20±2)°C and relative humidity of (85±3)%.

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RESULTS

EN 407:2004 Protective gloves against thermal fisks (heat and/or fire.)

Test Name & Clause	Test Method	EN 407: 2004 Requirements		Results 0	Level	
5.4 Radiant heat	EN ISO 6942:2002 Method:B at 20kW/m ²	Performance Level 1 2 3 4	<u>Heat transfer RHTI₂₄</u> ≥ 7s ≥ 20s ≥ 50s ≥ 95s	Back Specimen 1 2 Rounded Mean	<u>RHTI₂₄</u> 31.4s <u>26.8s</u> 29s	Pass Level-2
5.5 Large quantities of molten metal	ISO 9185 (Using Iron)	Performance Level 1 2 3 4	<u>Mass of Iron</u> ≥ 30 g ≥ 60 g ≥ 120 g ≥ 200 g	Back Mass of Iron 80 g 98 g 104 g 125 g Observation : No m remain stuck to the get ignited or punctu	specimen, doesn't	Pass Level-2

EN 420 : 2003+A1: 2009 Protective Gloves - General requirements and test methods

Clause	Test Name	Re	sult	Average	Standard sizing
5.1	Sizing Circumference (mm) Length (mm)	275 279	278 280	276.5 279.5	10½

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Report No. : CH:TX:842004193	33	DATE : 02/08/2017
	RESULTS	KOL - 4120
WATER VAPOUR TRANSMISSION AND A EN 420: 2003+A1: 2009 (Method: 6.3 & 6.		<u>Req.</u>
PALM WATER VAPOUR TRANSMISSION WATER VAPOUR ABSORPTION	11.8 mg/(cm².h) 12.4 mg/cm²	Min: 5 mg/(cm².h) Min: 8 mg/cm²
Note: Requirements given as per EN 420:2	003+A1:2009 (Clause: 5.3).	
CHROMIUM -VI ISO 17075/Analysis by UV-VIS Spectroph	notometer	
GRAIN LEATHER - NATURAL CONTENT Recovery Rate : 94%	ND	3 mg/kg
<u>SPLIT LEATHER – NATURAL</u> CONTENT Recovery Rate : 93%	ND	3 mg/kg
Note : ND- Not Detected : Method Detection Note: Requirements given as per EN		

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