

CIOP- PIB

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Central Institute for Labour Protection -

PCA

National Research Institute

Polish Accreditation Centre

16 Czerniakowska Street, 00-701 Warsaw, Poland

AB038

Personal Protection Unit

Hand and Leg Protection Laboratory

### **TEST REPORT**

ORDER NUMBER:1325/PB/2020/NO

SUBJECT OF THE ORDER:

**GLOVE TEST**

THE ORDERING PARTY:

X-TRADE Filip Olszyński

ul. Św. Teresy od Dzieciątka Jezus 178, 91-222 Łódź

DATE OF ISSUING THE TEST REPORT: 29.09.2020

Main Contractor: Arkadiusz Szmytke

Authorized by: THE HEAD OF THE HAND AND LEG PROTECTION LABORATORY- dr hab. inż.

Emilia Irzmańska /Ph.D. in engineering/

Approved by: THE HEAD OF THE RESEARCH AND CALIBRATION LABORATORIES TEAM - mgr

Karolina Burza /M.A./

Copy no. 1

Page 1 of 4

F01-PORG-11 of 27.04.2020

Number of the order for performing the test: 1325/PB/2020/NO

#### Glove tests

I. Test Object: Saniform hybrid gloves

Supplier of the test object: X-Trade Filip Olszyński, ul. Świętej Teresa od Dzieciątka Jezus 178, 91-222 Łódź

Register number: 112/2020

A picture of the object to be tested:



II. Date of receiving the object for testing: 15.09.2020

III. Date performing laboratory activities: 22.09.2020

IV. Place of performing laboratory activities: Hand and Leg Protection Laboratory, 48 Wierzbowa Street, 90-133 Łódź

V. Identification of the method used:

1. Leakage testing with the use of air (resistance to permeation) was performed in accordance with PN-EN ISO 374-2:2020-03.

Table 1- Leakage test results with the use of air

Test object designation	Test method	The subsequent number of the glove	Glove size	Air pressure used- kPa	the result of a visual check of the gloves	Result of the permeation resistance test	Cause of failure to perform the test
Saniform hybrid gloves	Leakage testing using air	1	M	2,5	positive	positive	Non applicable
		2	L	3,0	positive	positive	
		3	XL	3,0	positive	positive	
		4	XL	3,0	positive	positive	
Requirements according to PN-EN ISO 374-1:2017-01 norm					Evaluation of conformity / non-conformity with the requirements of PN-EN ISO 374-1:2017-01 standard.		
The result of the visual inspection of the gloves and the result of the air permeation test should be positive					The gloves comply with the standard for air leakage		

Number of the order for performing the test: 1325/PB/2020/NO

2. Leakage testing with water (penetration resistance) was performed in accordance with PN-EN ISO 374-2:2020-03 standard

Table 2. Leakage test results using water

Table 2: Leakage test results using water.							
Test object designation	Test method	The subsequent number of the glove	Glove size	Air pressure used- kPa	the result of a visual check of the gloves	Result of the permeation resistance test	Cause of failure to perform the test
Saniform hybrid gloves	Leakage testing using water	1	M		positive	positive	Non applicable
		2	L		positive	positive	
		3	XL		positive	positive	
		4	XL		positive	positive	
Requirements according to PN-EN ISO 374-1:2017-01 norm				Evaluation of conformity / non-conformity with the requirements of PN-EN ISO 374-1:2017-01 standard.			
The result of the visual inspection of the gloves and the result of the water permeation test should be positive				The gloves comply with the standard for water leakage			

3. The glove dimensions were determined in accordance with EN 420+A I :2012 p. 6. 1 standard.

Table 3. Results of determining the dimensions of protective gloves

Table 5: Results of determining the dimensions of protective gloves								
Test object designation	Size of gloves declared by the manufacturer	The subsequent number of the glove	Measured glove length	Glove length	Measurement uncertainty for k=2 and confidence level approx. 95 %	Measured glove width	Glove width	Measurement uncertainty for k=2 and a confidence level of approximately 95 %
			[mm]	[mm]	[mm]	[mm]	[mm]	[mm]
Saniform hybrid gloves	M	1	254	246	+-5	98	97	+-2
		2	246			97		
	L	1	248	246	+- 8	106	105	+-3
		2	246			105		
	XL	1	254	253		115	113	
		2	253			113		
Requirements according to PN-EN 420+A I :2012 standard.						Evaluation of conformity / non-conformity with the requirements of PN-EN 420+A1: 2012 standard		



" X" the diameter of the bar, which was lifted 3 times in a row within 30 s was marked

"-- " - the diameter of the bar, which was not lifted 3 times in a row within 30 s was marked

The report contains 4 pages.

Comments:

1. The results of the tests refer only to the samples received.
2. The report may not be reproduced in part, but only in full, without the written consent of CIOP-PIB.

END OF REPORT

Page 4 of 4