



CHEMICALS



CHEMICAL PROTECTION
GLOVES AND CLOTHING

NEW
EBOOK



LIST OF CHEMICAL PRODUCTS

LETTER EN374	CHEMICAL SUBSTANCE	N° CAS	CLASS
A	Methanol	67-56-1	Primary alcohol
B	Acetone	67-64-1	Cetone
C	Acetonitrile	75-05-8	Nitrile compound
D	Dichloromethane	75-09-2	Chlorine hydrocarbon
E	Carbon disulfide	75-15-0	Sulphate organic compound
F	Toluene	108-88-3	Aromatic hydrocarbon
G	Diethylamine	109-89-7	Amine
H	Tetrahydrofuran	109-99-9	Heterocyclic ether
I	Ethyl acetate	141-78-6	Ester
J	n-heptane	142-82-5	Saturated hydrocarbon
K	Sodium Hydroxide 40%	1310-73-2	Inorganic alkaline
L	Sulphuric acid 96%	7664-93-9	Inorganic, oxidising mineral acid
M	Nitric acid 65%	7697-37-2	Inorganic, oxidising mineral acid
N	Acetic acid 99%	64-19-7	Organic acid
O	Ammonia Hydroxide 25%	1336-21-6	Organic Alkaline
P	Hydrogen peroxide 30%	7722-84-1	Peroxide
S	Hydrofluoric acid 40%	7664-39-3	Mineral organic acid
T	Formaldehyde 37%	50-00-0	Aldehyde

EN ISO 374-5: 2016



The gloves offer protection against micro-organisms: bacteria and fungi when they comply with EN 374-2:2014 (air leakage and water leakage), because they test for tightness.

EN ISO 374-5: 2016



VIRUS

Gloves that also offer protection against viruses must comply with ISO 16604: protection against penetration by blood-borne Phi-X174 bacteriophages.

GLOVES AND CLOTHING FOR CHEMICAL PROTECTION

Workers have to face on a daily basis some chemical risks when handling more or less aggressive products (acids, solvents, oils, ...). There are more than 100,000 chemical substances cataloged and identified by CAS number. The table shown in the chemical protection standard reflects the most important substances.

To choose a glove that protects us from chemical substances, we must take into account the family of the CHEMICAL SUBSTANCE we are going to handle, the contact time, the level of dexterity, etc. Juba, through this brochure, wants to facilitate the search for the most suitable glove and we briefly explain the regulations and tests that these gloves must comply with.

EN ISO 374:2016



STANDARD EN ISO 374: 2016 PROTECTION AGAINST CHEMICALS

EN 374:2016 establishes requirements for gloves intended to protect the wearer against chemicals and/or microorganisms. This standard does not establish mechanical protection requirements. All gloves are category III.

IS DIVIDED INTO THE FOLLOWING PARTS

EN ISO 374-1:2016	EN 374-2:2014	EN 16523-1:2015	EN ISO 374-4:2019	EN ISO 374-5:2016
Terminology and performance requirements for chemical hazards.	Determination of penetration resistance.	Permeation by liquid chemicals under continuous contact conditions.	Determination of resistance to chemical degradation.	Terminology and requirements for microorganism risks.

THREE NEW PROTECTION LEVELS IN GLOVE PERMEABILITY

TYPE A: against at least 6 chemicals from the table and having a minimum level 2 (more than 30 minutes).

TYPE B: against at least 3 substances and at most 6 chemical substances from the table and having a minimum level 2 (more than 30 minutes).

TYPE C: against 1 chemical from the table and having a minimum level 1 (more than 10 minutes).



TEST METHODS

PENETRATION TEST 374-2

It is the breakthrough of chemicals through the glove at the non-molecular level. Air leakage test. The glove is inflated with air and immersed in water.

Water leakage test. The glove is filled with water and checked for water droplets.

DEGRADATION TEST EN 374-4

Degradation of some of the properties of the glove due to contact with a CHEMICAL SUBSTANCE. A perforation test is performed. In case this test cannot be carried out, a weight variation test is performed.



PERMEATION TEST EN 16523-1

It is the breakthrough of chemicals at the molecular level. The resistance of a glove material to permeation by a chemical is determined by measuring the passage time of the chemical through the material.

PERMEABILITY RESISTANCE LEVELS*

AVERAGE BREAKTHROUGH TIME	PERFORMANCE LEVELS
>10 minutes	CLASS 1
>30 minutes	CLASS 2
>60 minutes	CLASS 3
>120 minutes	CLASS 4
>240 minutes	CLASS 5
>480 minutes	CLASS 6

* Time it takes for a chemical product to penetrate the glove

CHEMICAL GLOVES

MODELS (Main details of the Reference requested in most of the Chemical Safety Data Sheets (SDS) in its section 8.2)					EN374-5	EN 16523-1:2015 - Permeation by liquid chemicals under continuous contact conditions																		
Material	Reference	Photo	Thickness Length	TYPE		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	S	T	
						METHANOL	ACETONE	ACETONITRILE	DICHLOROMETHANE	CARBON DISULFIDE	TOLUENE	DIETHYLAMINE	TETRA- HYDROFURAN	ETHYL ACETATE	N-HEPTANE	SODIUM HYDROXIDE 40%	SULPHURIC ACID 96%	NITRIC ACID 65%	ACETIC ACID 99%	AMMONIA HYDROXIDE 25%	HYDROGEN PEROXIDE 30%	HYDROFLUORIC ACID 40%	FORMALDEHYDE 37%	
						67-56-1	67-64-1	75-05-8	75-09-2	75-15-0	108-88-3	109-89-7	109-99-9	141-78-6	142-85-5	1310-73-2	7664-93-9	7697-37-2	64-19-7	1336-21-6	7722-84-1	7664-39-3	50-00-0	
LATEX	62138		0,38 mm 30 cm	A		1 > 10 min.										6 > 480 min.	2 > 30 min.	4 > 120 min.	1 > 10 min.		4 > 120 min.	5 > 240 min.	6 > 480 min.	
	621B38		0,38 mm 30 cm	A		1 > 10 min.										6 > 480 min.	2 > 30 min.	4 > 120 min.	1 > 10 min.		4 > 120 min.	5 > 240 min.	6 > 480 min.	
	611N		0,45 mm 30 cm	A		1 > 10 min.										6 > 480 min.	3 > 60 min.	3 > 60 min.	1 > 10 min.	1 > 10 min.	6 > 480 min.	6 > 480 min.	6 > 480 min.	
	611B		0,45 mm 30 cm	A		1 > 10 min.										6 > 480 min.	3 > 60 min.	3 > 60 min.	1 > 10 min.	1 > 10 min.	6 > 480 min.	6 > 480 min.	6 > 480 min.	
	621Y		0,52 mm 30 cm	A		1 > 10 min.								6 > 480 min.	2 > 30 min.		2 > 30 min.	5 > 240 min.	2 > 30 min.	1 > 10 min.	6 > 480 min.	6 > 480 min.	6 > 480 min.	
	622		0,60 mm 30 cm	A		2 > 30 min.										6 > 480 min.	3 > 60 min.	5 > 240 min.	2 > 30 min.	1 > 10 min.	6 > 480 min.	6 > 480 min.	6 > 480 min.	
	621C		1,00 mm 30 cm	A		6 > 480 min.	1 > 10 min.									6 > 480 min.	5 > 240 min.	6 > 480 min.	4 > 120 min.	3 > 60 min.	6 > 480 min.	6 > 480 min.	6 > 480 min.	
	5830		1,30 mm 30 cm	B		2 > 30 min.									0 > 10 min.	2 > 30 min.	3 > 60 min.			1 > 10 min.	5 > 240 min.		6 > 480 min.	
	561160		1,30 mm 59 cm	A		6 > 480 min.											6 > 480 min.	4 > 120 min.	6 > 480 min.	5 > 240 min.	3 > 60 min.	6 > 480 min.		6 > 480 min.
	G16800		1,60 mm 30 cm	B		3 > 60 min.										0 > 10 min.	6 > 480 min.	3 > 60 min.			0 > 10 min.	6 > 480 min.		6 > 480 min.
	GB16800		1,60 mm 30 cm	B		3 > 60 min.										0 > 10 min.	6 > 480 min.	3 > 60 min.			0 > 10 min.	6 > 480 min.		6 > 480 min.
NEOPRENE	921		0,70 mm 30 cm	A		3 > 60 min.									1 > 10 min.	6 > 480 min.	4 > 120 min.	6 > 480 min.	5 > 240 min.	3 > 60 min.	6 > 480 min.	6 > 480 min.	6 > 480 min.	
	322		0,70 mm 30 cm	A		2 > 30 min.										6 > 480 min.	3 > 60 min.	5 > 240 min.	2 > 30 min.	1 > 10 min.	6 > 480 min.	6 > 480 min.	6 > 480 min.	
	92138		0,78 mm 38 cm	A		3 > 60 min.									1 > 10 min.	6 > 480 min.	4 > 120 min.	6 > 480 min.	5 > 240 min.	3 > 60 min.	6 > 480 min.	6 > 480 min.	6 > 480 min.	
	5630		1,10 mm 30 cm	A		3 > 60 min.									1 > 10 min.	6 > 480 min.	2 > 30 min.			2 > 30 min.	6 > 480 min.		6 > 480 min.	
	3945		1,60 mm 45 cm	A		6 > 480 min.									6 > 480 min.	6 > 480 min.	4 > 120 min.			4 > 120 min.	6 > 480 min.	6 > 480 min.	6 > 480 min.	

PERMEABILITY Passage Times according to EN 16523-1:2015

0 < 10 min.

1 > 10 min.

2 > 30 min.

3 > 60 min.

4 > 120 min.

5 > 240 min.

6 > 480 min.

CHEMICAL GLOVES

MODELS (Main details of the Reference requested in most of the Chemical Safety Data Sheets (SDS) in its section 8.2)					EN374-5	EN 16523-1:2015 - Permeation by liquid chemicals under continuous contact conditions																		
Material	Reference	Photo	Thickness Length	TYPE		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	S	T	
						METHANOL 67-56-1	ACETONE 67-64-1	ACETONITRILE 75-05-8	DICHLOROMETHANE 75-09-2	CARBON DISULFIDE 75-15-0	TOLUENE 108-88-3	DIETHYLAMINE 109-89-7	TETRA- HYDROFURAN 109-99-9	ETHYL ACETATE 141-78-6	N-HEPTANE 142-85-5	SODIUM HYDROXIDE 40% 1310-73-2	SULPHURIC ACID 96% 7664-93-9	NITRIC ACID 65% 7697-37-2	ACETIC ACID 99% 64-19-7	AMMONIA HYDROXIDE 25% 1336-21-6	HYDROGEN PEROXIDE 30% 7722-84-1	HYDROFLUORIC ACID 40% 7664-39-3	FORMALDEHYDE 37% 50-00-0	
NEOPRENE	5845		2,90 mm 45 cm	B		1 > 10 min.									1 > 10 min.	6 > 480 min.	2 > 30 min.			1 > 10 min.	6 > 480 min.		6 > 480 min.	
	5866		2,90 mm 66 cm	B		1 > 10 min.									1 > 10 min.	6 > 480 min.	2 > 30 min.			1 > 10 min.	6 > 480 min.		6 > 480 min.	
LATEX & NEOPRENE	321C		0,70 mm 30 cm	A		2 > 30 min.										6 > 480 min.	4 > 120 min.	6 > 480 min.	3 > 60 min.		6 > 480 min.	6 > 480 min.	6 > 480 min.	
	321CB		0,70 mm 30 cm	A		2 > 30 min.										6 > 480 min.	4 > 120 min.	6 > 480 min.	3 > 60 min.		6 > 480 min.	6 > 480 min.	6 > 480 min.	
NITRILE	821		0,38 mm 33 cm	A		2 > 30 min.					1 > 10 min.				6 > 480 min.	6 > 480 min.	3 > 60 min.	2 > 30 min.	3 > 60 min.	6 > 480 min.	6 > 480 min.		6 > 480 min.	
	IN821N NEW		0,38 mm 33 cm	A		2 > 30 min.	0 > 10 min.								6 > 480 min.	6 > 480 min.	3 > 60 min.	3 > 60 min.	5 > 240 min.		6 > 480 min.		6 > 480 min.	
	82138		0,42 mm 38 cm	A		2 > 30 min.					1 > 10 min.				6 > 480 min.	6 > 480 min.	3 > 60 min.	2 > 30 min.	3 > 60 min.	6 > 480 min.	6 > 480 min.		6 > 480 min.	
	811		0,22 mm 33 cm	A											6 > 480 min.	6 > 480 min.	2 > 30 min.	1 > 10 min.	1 > 10 min.	2 > 30 min.	6 > 480 min.	2 > 30 min.	6 > 480 min.	
	IN811N NEW		0,22 mm 33 cm	A											6 > 480 min.	6 > 480 min.	2 > 30 min.	2 > 30 min.	2 > 30 min.	3 > 60 min.	6 > 480 min.		6 > 480 min.	
	811C38		0,38 mm 33 cm	A		2 > 30 min.						1 > 10 min.			6 > 480 min.	6 > 480 min.	4 > 120 min.	3 > 60 min.	3 > 60 min.	5 > 240 min.	6 > 480 min.	4 > 120 min.	6 > 480 min.	
	711KR		0,28 mm 33 cm	A		2 > 30 min.	6 > 480 min.	6 > 480 min.	5 > 240 min.	6 > 480 min.	6 > 480 min.	3 > 60 min.	4 > 120 min.	6 > 480 min.	6 > 480 min.		4 > 120 min.							
	811C55 H811C55		0,55 mm 46 cm	A		3 > 60 min.		1 > 10 min.			1 > 10 min.	1 > 10 min.	2 > 30 min.		1 > 10 min.	6 > 480 min.	6 > 480 min.	5 > 240 min.	3 > 60 min.	4 > 120 min.	6 > 480 min.	6 > 480 min.	5 > 240 min.	6 > 480 min.
	G9527BIB		0,70 mm 28 cm	A													6 > 480 min.	3 > 60 min.	4 > 120 min.			6 > 480 min.		6 > 480 min.
	G901		1,00 mm 67 cm	B												6 > 480 min.	6 > 480 min.				2 > 30 min.	5 > 240 min.		6 > 480 min.
	5814 NEW		1,00 mm 67 cm	A												6 > 480 min.	6 > 480 min.	3 > 60 min.	3 > 60 min.	3 > 60 min.	6 > 480 min.			
	G630		0,80 mm 30 cm	B												6 > 480 min.	6 > 480 min.				2 > 30 min.	5 > 240 min.		6 > 480 min.

PERMEABILITY Passage Times according to EN 16523-1:2015

0 < 10 min.	1 > 10 min.	2 > 30 min.	3 > 60 min.	4 > 120 min.	5 > 240 min.	6 > 480 min.
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CHEMICAL GLOVES

MODELS (Main details of the Reference requested in most of the Chemical Safety Data Sheets (SDS) in its section 8.2)					EN374-5	EN 16523-1:2015 - Permeation by liquid chemicals under continuous contact conditions																	
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						METHANOL	ACETONE	ACETONITRILE	DICHLOROMETHANE	CARBON DISULFIDE	TOLUENE	DIETHYLAMINE	TETRA- HYDROFURAN	ETHYL ACETATE	N-HEPTANE	SODIUM HYDROXIDE 40%	SULPHURIC ACID 96%	NITRIC ACID 65%	ACETIC ACID 99%	AMMONIA HYDROXIDE 25%	HYDROGEN PEROXIDE 30%	HYDROFLUORIC ACID 40%	FORMALDEHYDE 37%
						67-56-1	67-64-1	75-05-8	75-09-2	75-15-0	108-88-3	109-89-7	109-99-9	141-78-6	142-85-5	1310-73-2	7664-93-9	7697-37-2	64-19-7	1336-21-6	7722-84-1	7664-39-3	50-00-0
NITRILE	G636		0,80 mm 36 cm	B											6 > 480 min.	6 > 480 min.				2 > 30 min.	5 > 240 min.		6 > 480 min.
	G630W		1,00 mm 30 cm	B											6 > 480 min.	6 > 480 min.				2 > 30 min.	5 > 240 min.		6 > 480 min.
	822		1,00 mm 50 cm	A		1 > 10 min.									2 > 30 min.	6 > 480 min.	2 > 30 min.	1 > 10 min.	2 > 30 min.	2 > 30 min.	5 > 240 min.		6 > 480 min.
	H624NT		1,00 mm 50 cm	B											4 > 120 min.	5 > 240 min.	2 > 30 min.	1 > 10 min.	1 > 10 min.	1 > 10 min.	3 > 60 min.		
NITRILE +PU	5812		1,2-1,4 mm 35 cm	A		3 > 60 min.									6 > 480 min.	6 > 480 min.	3 > 60 min.			6 > 480 min.	6 > 480 min.		6 > 480 min.
	5813		1,7-1,9 mm 35 cm	A											6 > 480 min.	6 > 480 min.	4 > 120 min.			6 > 480 min.	6 > 480 min.		6 > 480 min.
PVC	6K30		3,50 mm 30 cm	B		2 > 30 min.										6 > 480 min.	4 > 120 min.						
	5684IM NEW		3,50 mm 30 cm	A		2 > 30 min.										6 > 480 min.	5 > 240 min.	3 > 60 min.			6 > 480 min.		6 > 480 min.
	5658TH		Gaigo 13 30,5 cm	A		3 > 60 min.										6 > 480 min.	4 > 120 min.	5 > 240 min.	2 > 30 min.	2 > 30 min.	6 > 480 min.		6 > 480 min.
	227RI		1,10 mm 27 cm	A	EN ISO 374-5:2016 VIRUS	2 > 30 min.										6 > 480 min.	3 > 60 min.	3 > 60 min.			6 > 480 min.	5 > 240 min.	6 > 480 min.
	235RI		1,10 mm 35 cm	A	EN ISO 374-5:2016 VIRUS	2 > 30 min.										6 > 480 min.	3 > 60 min.	3 > 60 min.			6 > 480 min.	5 > 240 min.	6 > 480 min.
	240RI		1,10 mm 40 cm	A	EN ISO 374-5:2016 VIRUS	2 > 30 min.										6 > 480 min.	3 > 60 min.	3 > 60 min.			6 > 480 min.	5 > 240 min.	6 > 480 min.
	5651		2,20 mm 30,5 cm	B		2 > 30 min.										6 > 480 min.	4 > 120 min.						
	5655		1,80 mm 25,5 cm	A		3 > 60 min.										6 > 480 min.	4 > 120 min.	5 > 240 min.	2 > 30 min.	2 > 30 min.	6 > 480 min.		6 > 480 min.
	5656 H5656		1,80 mm 30 cm	A		3 > 60 min.										6 > 480 min.	4 > 120 min.	5 > 240 min.	2 > 30 min.	2 > 30 min.	6 > 480 min.		6 > 480 min.
	5656KV		Gaigo 13 30 cm	B		3 > 60 min.										6 > 480 min.	4 > 120 min.						

PERMEABILITY Passage Times according to EN 16523-1:2015

0 < 10 min.

1 > 10 min.

2 > 30 min.

3 > 60 min.

4 > 120 min.

5 > 240 min.

6 > 480 min.

CHEMICAL GLOVES

MODELS (Main details of the Reference requested in most of the Chemical Safety Data Sheets (SDS) in its section 8.2)					EN374-5	EN 16523-1:2015 - Permeation by liquid chemicals under continuous contact conditions																	
Material	Reference	Photo	Thickness Length	TYPE		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	S	T
						METHANOL 67-56-1	ACETONE 67-64-1	ACETONITRILE 75-05-8	DICHLOROMETHANE 75-09-2	CARBON DISULFIDE 75-15-0	TOLUENE 108-88-3	DIETHYLAMINE 109-89-7	TETRA- HYDROFURAN 109-99-9	ETHYL ACETATE 141-78-6	N-HEPTANE 142-85-5	SODIUM HYDROXIDE 40% 1310-73-2	SULPHURIC ACID 96% 7664-93-9	NITRIC ACID 65% 7697-37-2	ACETIC ACID 99% 64-19-7	AMMONIA HYDROXIDE 25% 1336-21-6	HYDROGEN PEROXIDE 30% 7722-84-1	HYDROFLUORIC ACID 40% 7664-39-3	FORMALDEHYDE 37% 50-00-0
PVC	5657 NEW			C											0 > 10 min.	6 > 480 min.							
	5627		2,00 mm 27 cm	A	EN ISO 374-5:2016 VIRUS										2 > 30 min.	6 > 480 min.	3 > 60 min.	3 > 60 min.			6 > 480 min.	5 > 240 min.	6 > 480 min.
	5635		2,00 mm 35 cm	A	EN ISO 374-5:2016 VIRUS										2 > 30 min.	6 > 480 min.	3 > 60 min.	3 > 60 min.			6 > 480 min.	5 > 240 min.	6 > 480 min.
	5640		2,00 mm 40 cm	A	EN ISO 374-5:2016 VIRUS										2 > 30 min.	6 > 480 min.	3 > 60 min.	3 > 60 min.			6 > 480 min.	5 > 240 min.	6 > 480 min.
	5640RF NEW		2,00 mm 40 cm	A	EN ISO 374-5:2016 VIRUS										2 > 30 min.	6 > 480 min.	3 > 60 min.	3 > 60 min.			6 > 480 min.	5 > 240 min.	6 > 480 min.
	5735		2,00 mm 35 cm	B												6 > 480 min.	2 > 30 min.	3 > 60 min.			6 > 480 min.		6 > 480 min.
	5681 NEW		2,00 mm 35 cm	B											2 > 30 min.	6 > 480 min.	5 > 240 min.						
	5683 NEW		2,00 mm 35 cm	B		2 > 30 min.										6 > 480 min.	3 > 60 min.						
DISPOSABLE GLOVES																							
LATEX "Powder free"	530		0,12 mm 24 cm	B												6 > 480 min.			0 > 10 min.	1 > 10 min.	3 > 60 min.		2 > 30 min.
	532B		0,30 mm 30 cm	B	EN ISO 374-5:2016 VIRUS											6 > 480 min.	3 > 60 min.				6 > 480 min.		6 > 480 min.
NITRILE "Powder free"	570		0,12 mm 24 cm	B	EN ISO 374-5:2016 VIRUS	0 > 10 min.									0 > 10 min.	6 > 480 min.	0 > 10 min.		0 > 10 min.	1 > 10 min.	2 > 30 min.		2 > 30 min.
	570NR NEW		0,12 mm 24 cm	B	EN ISO 374-5:2016 VIRUS	0 > 10 min.									0 > 10 min.	6 > 480 min.	0 > 10 min.		0 > 10 min.	1 > 10 min.	2 > 30 min.		
	576BL NEW		0,07 mm 24 cm	B	EN ISO 374-5:2016 VIRUS											6 > 480 min.					2 > 30 min.		3 > 60 min.
	576NR NEW		0,07 mm 24 cm	B	EN ISO 374-5:2016 VIRUS											6 > 480 min.					2 > 30 min.		3 > 60 min.
	573NR NEW		0,14 mm	B	EN ISO 374-5:2016 VIRUS											6 > 480 min.			1 > 10 min.		5 > 240 min.	2 > 30 min.	6 > 480 min.
PERMEABILITY Passage Times according to EN 16523-1:2015										0 < 10 min.		1 > 10 min.		2 > 30 min.		3 > 60 min.		4 > 120 min.		5 > 240 min.		6 > 480 min.	

CHEMICAL GLOVES

MODELS					EN374-5	EN 16523-1:2015 - Permeation by liquid chemicals under continuous contact conditions																	
(Main details of the Reference requested in most of the Chemical Safety Data Sheets (SDS) in its section 8.2)						A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	S	T
Material	Reference	Photo	Thickness Length	TYPE		METHANOL	ACETONE	ACETONITRILE	DICHLOROMETHANE	CARBON DISULFIDE	TOLUENE	DIETHYLAMINE	TETRA-HYDROFURAN	ETHYL ACETATE	N-HEPTANE	SODIUM HYDROXIDE 40%	SULPHURIC ACID 96%	NITRIC ACID 65%	ACETIC ACID 99%	AMMONIA HYDROXIDE 25%	HYDROGEN PEROXIDE 30%	HYDROFLUORIC ACID 40%	FORMALDEHYDE 37%
					67-56-1	67-64-1	75-05-8	75-09-2	75-15-0	108-88-3	109-89-7	109-99-9	141-78-6	142-85-5	1310-73-2	7664-93-9	7697-37-2	64-19-7	1336-21-6	7722-84-1	7664-39-3	50-00-0	

DISPOSABLE GLOVES

NITRILE
"powder free"

580BL		0,15 mm 24 cm	B	EN ISO 374-5:2016 VIRUS													3 > 60 min.	6 > 480 min.					3 > 60 min.		5 > 240 min.
580GY		0,15 mm 24 cm	B	EN ISO 374-5:2016 VIRUS													3 > 60 min.	6 > 480 min.					3 > 60 min.		5 > 240 min.
580MG		0,15 mm 24 cm	B	EN ISO 374-5:2016 VIRUS													3 > 60 min.	6 > 480 min.					3 > 60 min.		5 > 240 min.
580NR		0,15 mm 24 cm	B	EN ISO 374-5:2016 VIRUS													3 > 60 min.	6 > 480 min.					3 > 60 min.		5 > 240 min.
580OR		0,15 mm 24 cm	B	EN ISO 374-5:2016 VIRUS													3 > 60 min.	6 > 480 min.					3 > 60 min.		5 > 240 min.
590BL		0,20 mm 30 cm	B	EN ISO 374-5:2016 VIRUS													3 > 60 min.	6 > 480 min.					1 > 10 min.	4 > 120 min.	4 > 120 min.
578OR NEW		0,20 mm 30 cm	B	EN ISO 374-5:2016 VIRUS													2 > 30 min.	6 > 480 min.	1 > 10 min.				6 > 480 min.	4 > 120 min.	5 > 240 min.
578NR NEW		0,20 mm 30 cm	B	EN ISO 374-5:2016 VIRUS													2 > 30 min.	6 > 480 min.	1 > 10 min.				6 > 480 min.	4 > 120 min.	5 > 240 min.
572B		0,20 mm 30 cm	B	EN ISO 374-5:2016 VIRUS	0 > 10 min.												4 > 120 min.	6 > 480 min.	1 > 10 min.				2 > 30 min.	4 > 120 min.	4 > 120 min.
572NR		0,20 mm 30 cm	B	EN ISO 374-5:2016 VIRUS	0 > 10 min.												4 > 120 min.	6 > 480 min.	1 > 10 min.				2 > 30 min.	4 > 120 min.	4 > 120 min.

CHEMICAL PROTECTION DISPOSABLE WORKWEAR - CATEGORY III

Material	Reference	Photo	EN14605:2005+A1:2009 TYPE 3	EN14605:2005+A1:2009 TYPE 4	ENISO13982-1:2004+A1:2010 TYPE 5	EN13034:2005+A1:2009 TYPE 6	EN1149-5:2008 Antistatic	EN1073-2:2002 Radioactive Particles	EN14126:2003+AC:2004 Biological Risk	EN ISO 14116:2015 Flame retardant
100% Polypropylene SMS 50 g/m²	1188B56 Steelgen 500B				Suitable	Suitable				
100% Polypropylene SMMS 50 g/m²	1188B56A Steelgen 500				Suitable	Suitable	Suitable	Suitable		
55% Polypropylene (SP) 45% Polyethylene 60 g/m²	1188B56T Steelgen 1000T				Suitable	Suitable	Suitable	Suitable		
100% Polypropylene SMS + FR treatment 65 g/m²	1188B56FR Steelgen 1000FR				Suitable	Suitable	Suitable	Suitable		Suitable
55% Polypropylene (SP) 45% Polyethylene 60 g/m²	1188B56PRO Steelgen 1000				5B	6B	Suitable	Suitable	Suitable	
55% Polypropylene (SP) 45% Polyethylene 60 g/m²	1188B456PRO Steelgen 3000			4B	5B	6B	Suitable	Suitable	Suitable	
60% Polypropylene 40% Polyethylene 82 g/m²	1188B3456PRO Steelgen 5000		3B	4B	5B	6B	Suitable	Suitable	Suitable	

JUBA PERSONAL PROTECTIVE
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STEELGEN DISPOSABLE WORK CLOTHING

JUBA has recently launched a line of disposable workwear with different levels of protection to meet the needs of work activities that may pose a health risk and, in some cases, where workers must protect themselves from chemicals.

+

CATEGORY 3

I

GAS-TIGHT
CLOTHING



TYPE
1

NON-GAS-TIGHT
CLOTHES



TYPE
2

LIQUID-IMPERMEABLE
CLOTHING



TYPE
3

SPRAY-TIGHT
CLOTHES



TYPE
4

PARTICLE-REPELLENT
CLOTHING



TYPE
5

PARTIALLY SPLASH-PROOF
CLOTHING



TYPE
6



OTHER RISKS

EN 1149-5



ANTISTATIC

EN ISO 14116:08



FLAME RETARDANT

EN14126:2003



BIOLOGICAL

EN 1073-2

