

Glove Specifications

	StarGuard® COMFORT	StarGuard® PROTECT	StarGuard® PROTECT+	StarGuard® SENSITIVE	StarGuard® TOUCH
Gloves per Case	10 x 250 (XL 230)	10 x 100	10 x 50	10 x 200	10 x 100 (XL 90)
Glove Type	Nitrile	Nitrile	Nitrile	Nitrile	Latex
Type	Powder-Free, Ambidextrous, Single Use, Non-Sterile				
Colour	Light-Blue	Violet-Blue	Violet-Blue	Blue	Natural
Cuff	Beaded	Beaded	Extended, Beaded	Beaded	Beaded
Texture	Fingers	Fingers	Fingers	Fingers	Fully
Weight (g)	3.5	5.2	11	4.2	6
Length (mm)	245	250	295	240	245
Cuff Thickness (mm)	0.06	0.09	0.12	0.06	0.10
Palm Thickness (mm)	0.07	0.11	0.15	0.07	0.13
Finger Thickness (mm)	0.11	0.18	0.25	0.10	0.16
Minimum Elongation before Aging (%)	500	500	500	500	650
Elongation after Aging (%)	400	400	500	400	600
Tensile Strength before Aging (MPa)	33	30	30	29	22
Tensile Strength after Aging (MPa)	31	29	27	14	20
Force at Break before Aging (N)	7	10	12	7	9
Force at Break after Aging (N)	7	11	14	7	6
Shelf Life (years)	3	3	5	3	4
AQL	0.65	0.65	0.65	1.5	1.5
PPE 89/686/EEC	Personal Protective Equipment (PPE) Category III				
MDD 93/42/EEC	Medical Device Class I				
EN420	In compliance, Sizing for special purpose		In compliance	In compliance, Sizing for special purpose	
EN374-2	Level 3	Level 3	Level 3	Level 2	Level 2
EN374-3 / EN16523-1	Splash protection				
EN455	In compliance with Parts 1,2,3				
ISO 11193-1	In compliance				
ISO 21171	In compliance				
ASTM F1671	In compliance				
ASTM D6124	In compliance				

Specifications



Wire Glove Dispenser

Free up your valuable bench space by keeping your gloves tidy in this wall-mounted dispenser. The epoxy-coated steel wire rack holds three boxes of gloves and is suitable for use with most brands and sizes of box.

Glove Dispenser		
Cat. No.	Description	Pack Size
E3099-3100	Wire Glove Dispenser	1

Supplied with screws for wall mounting.

Chemical Breakthrough Times

	StarGuard® COMFORT	StarGuard® PROTECT	StarGuard® PROTECT+	StarGuard® SENSITIVE	StarGuard® TOUCH	
Chemicals	Acetic Acid (50%)	25	50	277	41	5
	Acetone	0	0	0	0	0
	Acetonitrile (5% in Ethanol)	0	3	5	0	0
	Acrylamide (40%)	>480	>480	>480	>480	>480
	Beta-Mercaptoethanol (<100%)	0	5	11	2	8
	Chloroform (1% in Ethanol)	1	2	15	1	1
	Cyclohexane (99%)	10	14	135	33	0
	Dimethylsulfoxide (>99.5%)	2	5	23	2	18
	Ethanol	0	1	19	1	0
	Ethanol (70%)	3	43	44	35	1
	Ethidium Bromide (5%)	>480	>480	>480	>480	>480
	Formaldehyde (37%)	>480	>480	>480	>480	<10
	Glutaraldehyde (50%)	>480	>480	>480	>480	>480
	Hydrochloric Acid (36%)	133	222	>480	222	103
	Hydrofluoric Acid (40%)	17	13	18	23	2
	Iso-Propanol	2	62	57	5	29
	Methanol	0	0	17	0	0
	n-Heptane	22	11	93	14	0
	Nitric Acid (50%)	21	66	183	9	34
	Phenol (0.1%)	data in progress	data in progress	data in progress	data in progress	data in progress
	Phenol (50% in Ethanol)	0	0	6	1	1
	Silver Nitrate 0.171 N	>480	>480	>480	>480	>480
	Sodium Hydroxide (40%)	>480	>480	>480	>480	>480
	Sodium Hypochlorite, Bleach (5%)	>480	>480	>480	>480	>480
	Sulfuric Acid (96%)	2	0	22	2	54
	Tetrachloroethylene (>99%)	0	1	9	1	0
Toluene	0	0	1	0	0	
Trichloroacetic Acid (>99%)	15	30	61	23	10	
Disinfectants	Sterillium (Alcohol based)	14	21	125	18	9
	Distel Laboratory Disinfectant (1:10)	>480	>480	>480	>480	421
	Chemgene Laboratory Disinfectant (1:20)	>480	>480	>480	>480	>480
	Virkon Disinfectant (3%)	>480	>480	>480	>480	>480
	Phagogermyl	26	50	143	40	45
	Stokosept® protect (Alcohol based)	16	27	56	21	4

Caution: All tests for determination of breakthrough times were carried out in minutes according to the EN16523-1:2015 and EN374-3:2003 standard under laboratory conditions. The actual conditions at the actual working space might have an impact on the resistance to chemical permeation and can lead to varying chemical breakthrough times. All recommendations and test results are for reference purposes only and are subject to errors and data revision if updated data becomes available. The test results are no substitute for an evaluation carried out by the user. All StarGuard® gloves are non-sterile, ambidextrous and intended for single-use only. n/a: test data not available. Every effort has been made to ensure the content of this publication is correct. STARLAB can not take responsibility for any errors or omissions. Please visit starlabgroup.com for the most current information.

Performance Levels based on chemical breakthrough times according to EN374 (minutes)

LEVEL	Time	Protection Level
6	>480 min	Excellent Protection
5	>240 min	Excellent Protection
4	>120 min	Very Good Protection
3	>60 min	Very Good Protection
2	>30 min	Good Protection
1	>10 min	Poor Protection
0	<10 min	Not Recommended



EN16523-1 compliant!

In April 2015, a new standard, EN16523-1, was approved that supersedes EN374-3. Chemical breakthrough times for all StarGuard® gloves have been tested according to this new standard. This standard is so new, we didn't even have time to print it on our product boxes!