



## Eco Nitrile PF 250

Powder Free Extra Length Ambidextrous Non-Sterile 25 cm Nitrile Gloves with Textured Fingertips

Registered as PPE Category III (Complex Design) according to Council Directive 89/686/EEC

Fully compliant to the latest PPE norms - EN374:2003 "Protective gloves against chemicals and micro-organisms"

### PRODUCT INFORMATION

Size	Catalogue Numbers	Applicable Norms with Pictograms		
Extra Small (XS/6)	62 5121	<b>EN374:2003</b> 	<b>EN374:2003</b>  Level 3	
Small (S/7)	62 5122			
Medium (M/8)	62 5123			
Large (L/9)	62 5124	<b>EN420: 2003 + A1: 2009</b>		
Extra Large (XL/10)	62 5125	<small>Also meets or exceeds EN455-1:2000, EN455-2:2009 + A2:2013, EN455-3:2015 &amp; EN455-4:2009 relating to Council Directive 93/42/EEC for Medical Devices</small>		

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- Material:** Synthetic soft nitrile polymer (Acrylonitrile Butadiene), based on Twinshield™ technology. Contains no natural rubber latex.
- Design:** Double barrier protection afforded by green outer layer, combined with white inner lining. Ambidextrous, beaded cuff and with textured fingertips.
- Packaging:** Hundred & fifty (150) gloves per natural carton dispenser. Gloves are flat-packed. Ten (10) dispensers per case. Recycle carton only.

### PHYSICAL PROPERTIES

Characteristics	Value	Test Method
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Freedom from holes	<0.65 AQL <sup>1</sup>	EN374:2003
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<sup>1</sup> AQL as defined per ISO 2859 for sampling by attributes

Tensile Properties	Tensile Strength (min) Typical		Ultimate Elongation	
- Before Aging	6.0N, min.	7.0N	500%, min.	EN455-2:2009 + A2:2013, ASTM D6319-10 and ASTM D412-06a(2013)
- After Accelerated Aging	6.0N, min.	8.0N	400%, min.	

Dimensional	Measured Point	Mm	mil	
- Nominal Thickness	Middle Finger	0.14	5.5	ASTM D3767-03(2014) and ASTM D6319-10
	Palm	0.10	3.9	
	Cuff	0.08	3.0	
- Length XS/6-L/9 XL/10	250mm, min. 260mm, min.		255mm, typical 265mm, typical	EN420:2003 + A1:2009

## Palm Widths

- Nominal Width (mm)	XS/6	S/7	M/8	L/9	XL/10	EN455-2:2009 + A2:2013
	≤80	85	95	105	≥110	

## Hand Circumference

- Nominal circumference (mm)	XS/6	S/7	M/8	L/9	XL/10	EN420:2003+ A1:2009
	152	178	203	229	254	

## ADDITIONAL DATA

- **Biocompatibility** demonstrated by Modified Buehler and Primary Skin Irritation Tests.
- **Non-detectable levels of chemical allergens** using aqueous solution extraction (Phosphate buffered solution) and High Performance Liquid Chromatography (HPLC) assay method for quantitative analysis.
- **Free of Thiazoles and Thiurams** - these chemical accelerators are excluded from the manufacturing process.
- **Powder free** to minimize the potential consequences of powder-borne dermatitis. Residual powder content is 1.0 mg/glove (typical) with a limit of 2.0 mg/glove (ISO 21171:2006 “Medical gloves - Determination of removable surface powder”).
- **Micro - organism and virus resistant** - passes highest level of micro - organism resistance per EN374-2: 2003 (Performance level 3, AQL <0.65 and inspection level G1 according to 1000ml water test) and passes viral penetration test using Phi-X 174 bacteriophage (ISO 16604:2004 Procedure B & ASTM F1671-97b).
- **Ecological** - 50% more products in the same volume to limit CO2 emissions and save space storage. Ink on the packaging reduced by 60%. Packaging made from recycled cardboard. Supply Chain optimized to reduce CO2 emissions by more than 15% to deliver our products.
- **Extensively tested for chemical permeation** according to EN374-3:2003 (please refer to chemical resistance guide on website - [www.shieldscientific.com/public/chemical-resistance-guide](http://www.shieldscientific.com/public/chemical-resistance-guide))

## QUALITY SYSTEMS

- Manufactured in accordance with ISO 9001:2008 and ISO 13485:2003.

“ecoSHIELD™, Protect Your Future”



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