



Powder Free Extra Length Ambidextrous Non-Sterile 30 cm Nitrile Gloves with Textured Fingertips

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)	67 6251	<b>EN374:2003</b> 	<b>EN374:2003</b>  <b>Level 3</b>	
Small (S/7)	67 6252			
Medium (M/8)	67 6253			
Large (L/9)	67 6254	<b>EN420:2003 + A1:2009</b>  Also meets or exceeds EN455-1:2000, EN455-2:2009 + A2:2013, EN455-3:2015 & EN455-4:2009 relating to Council Directive 93/42/EEC for Medical Devices		
Extra Large (XL/10)	67 6255			

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**Material:** Proprietary multi-polymer formulation (Acrylonitrile Butadiene with blend of polychloroprene), based on Twinshield™ technology. Contains no natural rubber latex.

**Design:** Double barrier protection afforded by orange outer layer combined with white inner-lining. Ambidextrous, beaded cuff and with textured fingertips.

**Packaging:** Fifty (50) gloves per dispenser. Dispenser is varnished for enhanced compatibility with laboratory environments. Gloves are flat-packed. Ten (10) dispensers per case. Packed in a reinforced single-walled shipping case.

## 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 D573-04(2010) and ASTM D412-06a(2013)
- After Accelerated Aging	6.0N, min.	8.0N	400%, min.	

Dimensional	Measured Point	Mm	mil	
- Nominal Thickness	Middle Finger	0.17	6.6	ASTM D3767-03(2014)
	Palm	0.14	5.5	
	Cuff	0.10	4.0	
- Length	290mm, min.		300mm, 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 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.
- **Accelerator-free** to minimize the risk of Allergic Contact Dermatitis (also known as Type IV, Delayed Hypersensitivity or Chemical Allergy).
- **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-X174 bacteriophage (ISO 16604:2004 Procedure B & ASTM F1671-97b).
- **Tested for electrostatic properties** according to EN1149-1/2/3 & 5
- **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.

“SHIELDskin™, A revolution in Glove Technology”



[www.shieldscientific.com](http://www.shieldscientific.com)

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