



FOR HANDS THAT MAKE A DIFFERENCE

BLUE

DUAL  
RISK

TECHNICAL  
INFORMATION

duoSHIELD™  
PFT Latex 240



- ⇒ Powder-free ambidextrous standard length (240 mm / 9.4") non-sterile natural rubber latex exam gloves.
- ⇒ Personal Protective Equipment Category III (PPE - Complex Design) according to Regulation (EU) 2016/425.
- ⇒ Medical Device Class 1 (MDD) according to the Directive 93/42/EEC.
- ⇒ Fully compliant to the latest EU PPE norms relating to protective gloves against chemicals, micro-organisms and viruses.

DESCRIPTION	
FORMULATION	Natural rubber latex ( <i>Hevea brasiliensis</i> ).
DESIGN	Natural colour, ambidextrous, beaded cuff, fully textured.
PACKAGING	100 gloves per dispenser - 10 dispensers per carton.

SIZES	6/XS	7/S	8/M	9/L	10/XL
CODES	65 4121	65 4122	65 4123	65 4124	65 4125

STANDARDS	
CE REGISTRATION	PPE Category III (Complex Design) - Regulation (EU) 2016/425. Notified Body No 0598: SGS Fimko Oy, Helsinki - FINLAND. MDD Class 1 - Directive 93/42/EEC.
EU PPE NORMS	EN 420:2003+A1:2009, EN 421:2010, ISO 374-1:2016+A1:2018, EN 374-2:2014, ISO 374-4:2013, ISO 374-5:2016, EN 16523-1:2015+A1:2018 and ISO 16604:2004 Procedure B.
EU MDD NORMS	EN 455-1:2000, EN 455-2:2015, EN 455-3:2015 and EN 455-4:2009.
USA STANDARDS	ASTM D3767-03 (2014), ASTM D573-04 (2015), ASTM D412-16, ASTM D5712-15.
OTHER STANDARDS	ISO 21171:2006, ISO 10993-10:2010.

QUALITY	
QUALITY ASSURANCE	Production management in accordance with ISO 9001:2015 and ISO 13485:2016.
TECHNOLOGY	uniSHIELD™ single-walled protection to offer an ideal compromise between comfort and protection.

DOCUMENTATION	
DECLARATION OF CONFORMITY	These documents can be freely downloaded from the product page on our website: <a href="http://www.shieldscientific.com">www.shieldscientific.com</a> . For an easy access, scan the QR code.
EU TYPE EXAMINATION CERTIFICATE	
PRODUCT INSERT	



# PHYSICAL PROPERTIES



NOMINAL THICKNESS		mm <sup>1</sup>	mil	Norm
⇒	Finger	0.18	7.1	ASTM D3767-03 (2014)
⇒	Palm	0.14	5.5	
⇒	Cuff	0.12	4.7	

<sup>1</sup> Thickness (+/- 0.03 mm)

LENGTH		Minimum	Typical	Norm
⇒	From middle finger tip to edge of cuff	≥ 240 mm / 9.4"	242 mm / 9.5"	EN 420:2003+A1:2009 EN 455-2:2015

STRENGTH PROPERTIES	Force at break (spec.)		Ultimate elongation (spec.)	Force at break (typical)	Norm	
	⇒	Before aging	≥ 9.0N	18 Mpa		≥ 700%
⇒	After aging	≥ 6.0N	14 Mpa	≥ 500%	11.0N	

FREEDOM FROM HOLES		Performance	Norm
⇒	Acceptable Quality Level (AQL)	< 1.5 <sup>2</sup> - Level 2	EN 455-1:2000 EN 374-2:2014

<sup>2</sup> AQL as defined per ISO 2859-1:1999 for sampling by attributes.

# PROTECTION PROPERTIES

RISKS	Description	Norm
MICRO-ORGANISMS	1000 ml water test. Performance level 2, AQL < 1.5 (inspection level G1).	EN 455-1:2000 EN 374-2:2014
VIRUSES	Viral penetration test using Phi-X174 bacteriophage according to ISO 16604:2004 Procedure B.	ISO 374-5:2016
CHEMICALS	<u>Performance</u> : Type B (KPT). <u>Permeation</u> : Online chemical resistance guide on <a href="http://www.shieldscientific.com">www.shieldscientific.com</a> . <u>Degradation</u> : Tested for determination of resistance to degradation by chemicals.	ISO 374-1:2016+A1:2018 EN 16523-1:2015+A1:2018  EN 374-4:2013
RADIOACTIVITY	Protection from radioactive contamination.	EN 421:2010
FIT FOR SPECIAL PURPOSE	Size and length: Sizes 10 (XL) and 9 (L) gloves are shorter in length than that required by EN 420:2003+A1:2009. These gloves are intended for use in light-duty manufacturing and industrial applications where the demand for the advantages of a shorter glove outweighs the need for additional length.	EN 420:2003+A1:2009

ALLERGIES	
BIO-COMPATIBILITY	Demonstrated by skin irritation and sensitization tests in accordance with ISO 10993-10:2010.
ACCELERATORS	Free of Thiazoles and Thiurams. These chemical accelerators are excluded from the manufacturing process.
RESIDUAL POWDER	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).
LATEX PROTEIN	≤ 50 µg/g as per Modified Lowry Method (EN 455-3:2015/ASTM D5712-15). Typical: ≤ 30 µg/g as per Modified Lowry Method.



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