



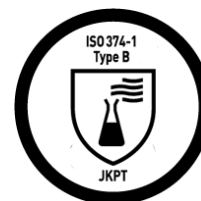
PROTECT YOUR FUTURE

GREEN

GENERAL
RISK

TECHNICAL
INFORMATION

ecoSHIELD™
Eco Nitrile PF 250



★★★★★
GENERAL
RISK

★★★★☆
BIOLOGICAL
RISK

★★☆☆☆
CHEMICAL
RISK

- ⇒ Powder-free ambidextrous extra length (250-260 mm / 9.8"-10.2") non-sterile nitrile protective 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 | Nitrile synthetic rubber (acrylonitrile butadiene). |
| DESIGN | Green (Outer)/ White (Inner), ambidextrous, beaded cuff, textured fingertips. |
| PACKAGING | 150 gloves per dispenser - 10 dispensers per carton. |

| SIZES | 6/XS | 7/S | 8/M | 9/L | 10/XL |
|-------|---------|---------|---------|---------|---------|
| CODES | 62 5121 | 62 5122 | 62 5123 | 62 5124 | 62 5125 |

| 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. |
| OTHER STANDARDS | EN1149-1/2/3 & 5, ISO 21171:2006, ISO 10993-10:2010. |

| QUALITY | |
|-------------------|--|
| QUALITY ASSURANCE | Production management in accordance with ISO 9001:2015 and ISO 13485:2016. |
| TECHNOLOGY | twinSHIELD™ double-walled protection to offer a stronger glove and to reduce the risk of pinholes. Two colours: green to make it easier to select according to the risk, combined with a soft and comfortable white interior. |
| ECOLOGICAL | 50% more products in the same volume to save storage space. Ink on the packaging reduced by 60%. Packaging made from recycled cardboard. Supply chain optimized to reduce CO ² emissions by more than 15% in the delivery of product. |

| DOCUMENTATION | |
|---------------------------------|---|
| DECLARATION OF CONFORMITY | These documents can be freely downloaded from the product page on our website: www.shieldscientific.com . |
| EU TYPE EXAMINATION CERTIFICATE | |
| PRODUCT INSERT | |



PHYSICAL PROPERTIES



| NOMINAL THICKNESS | | mm ¹ | mil | Norm |
|-------------------|--------|-----------------|-----|----------------------|
| ⇒ | Finger | 0.17 | 6.7 | ASTM D3767-03 (2014) |
| ⇒ | Palm | 0.10 | 3.9 | |
| ⇒ | Cuff | 0.08 | 3.1 | |

¹ Thickness (+/- 0.03 mm)

| LENGTH | | Minimum | Typical | Norm |
|--------|--|------------------|----------------|---------------------|
| ⇒ | From middle finger tip to edge of cuff 6/XS - 9/L | ≥ 250 mm / 9.8" | 255 mm / 10" | EN 420:2003+A1:2009 |
| ⇒ | From middle finger tip to edge of cuff 10/XL | ≥ 260 mm / 10.2" | 265 mm / 10.4" | |

| STRENGTH PROPERTIES | Force at break (spec.) | | Ultimate elongation (spec.) | Force at break (typical) | Norm | |
|---------------------|------------------------|--------|-----------------------------|--------------------------|------|--|
| | ≥ 6.0N | 14 Mpa | ≥ 500% | 8.0N | | |
| ⇒ | Before aging | ≥ 6.0N | 14 Mpa | ≥ 500% | 8.0N | EN 455-2:2015 ASTM D573-04 (2015) & ASTM D412-16 |
| ⇒ | After aging | ≥ 6.0N | 14 Mpa | ≥ 400% | 7.0N | |

| FREEDOM FROM HOLES | | Performance | Norm |
|--------------------|--------------------------------|-------------------------------|--------------------------------|
| ⇒ | Acceptable Quality Level (AQL) | < 0.25 ² - Level 3 | EN 374-2:2014 EN 455-1:2000 |

² 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 3, AQL < 0.25 (inspection level G1). | 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 (JKPT). <u>Permeation</u> : Extensively tested. Online chemical resistance guide on www.shieldscientific.com . <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 |
| ESD | Tested for electrostatic properties. | EN 1149-1/2/3 & 5 |

| 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. |
| CHEMICAL ALLERGENS | Non-detectable levels using aqueous solution extraction (Phosphate buffered solution) and High Performance Liquid Chromatography (HPLC) assay method for quantitative analysis. |
| 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 | Latex-free. |



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