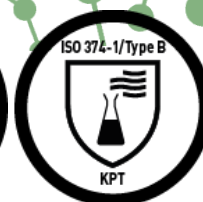


ecoSHIELD™

Eco Latex PF 250





- | DOCUMENTATION | |
|---------------------------------|---|
| Declaration of conformity | These documents can be freely downloaded from the product page on our website: www.shieldscientific.com . |
| EU type examination certificate | For easy access, scan the QR code. |
| User's instructions | |
- 



PHYSICAL PROPERTIES



NOMINAL THICKNESS	mm ¹	mil	Norm
⇒ Finger	0.19	7.5	ASTM D3767-03 (2020)
⇒ Palm	0.16	6.3	
⇒ Cuff	0.10	3.9	

¹ Thickness (+/- 0.03 mm)

LENGTH	Minimum	Typical	Norm
⇒ From middle finger tip to edge of cuff	≥ 250 mm / 9.8"	255 mm / 10.0"	ISO 21420:2020+A1:2022

STRENGTH PROPERTIES	Force at break (spec.)		Ultimate elongation (spec.)	Force at break (typical)	Norm
⇒ Before aging	≥ 9.0N	18 MPa	≥ 700%	10.0N	EN 455-2:2015 ASTM D573-04 (2019) & ASTM D412-16
⇒ After aging	≥ 6.0N	14 MPa	≥ 500%	8.0N	

FREEDOM FROM HOLES	Performance	Norm
⇒ Acceptable Quality Level (AQL)	< 0.65 ² G1 - Level 3	ISO 374-2:2019 EN 455-1:2020

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 < 0.65 (inspection level G1).	ISO 374-2:2019
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> : 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 ISO 374-4:2019
Radioactivity	Protection from radioactive contamination.	EN 421:2010

ALLERGIES	
Bio-compatibility	Demonstrated by skin irritation and sensitisation tests in accordance with ISO 10993-10:2021.
Accelerators	Free of Thiazoles and Thiurams. These chemical accelerators are excluded from the manufacturing process.
Residual powder	Powder-free to minimise 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).