

PUR RELIANCE BIODEGRADABLE POLYURETHANE GLOVES

MEDICAL EXAMINATION GLOVES



SHIELD
MANUFACTURING



PUR RELIANCE BIODEGRADABLE POLYURETHANE GLOVES



TECHNICAL DATA SHEET

PRODUCT DESCRIPTION

PUR RELIANCE MEDICAL Examination Gloves are designed to act as a protective barrier from bacteria, viruses, and chemicals where risk of fluid exposure is moderate to high.

DESIGN ENHANCEMENTS

Not made from natural rubber latex	Powder-free	No Accelerators
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BIOCOMPATIBILITY TESTED

BIODEGRADABILITY TESTED

Reference: ISO 10993-10	Reference: ASTM D5511
Primary Skin Irritation: Passed	Biodegradable % at X days 43.0 (Test result)
Skin Sensitization: Passed	Result: Passed
Cytotoxicity: Passed	

PROPERT

	Thickness - single wall				
	Length*	Weight	Cuff	Palm	Finger**
All sizes:	min. 240mm	3.50 grams	0.07±0.02mm	0.08±0.03mm	0.10±0.05mm
Palm width:	XS 70±10mm	S 80±10mm	M 95±10mm	L 110±10mm	XL 120±10mm
Middle finger:	XS 72±3mm	S 75±3mm	M 84±3mm	L 86±3mm	XL 88±3mm

*in accordance to ASTM D6319-19,

** Equivalent to 3.5 MIL

FEATURES

Material: Polyurethane	Color: Blue
Powder: Powder-free	External surface: Finger-textured
Shape: Ambidextrous	Sterilization: Non-sterile
Cuff: Beaded cuff	

PHYSICAL PROPERTIES

Tensile Strength: Minimum 40 MPa	After Aging: Minimum 40MPa
Elongation: Minimum 650%	Elongation: Minimum 650%
AQL: 1.5	Force at Break: 9N

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HEAVY METAL TESTED

CHEMICAL RESIDUE TESTED

Reference:	EPA Method 3052	BHA:	Not Detected
Cadmium (Cd):	Not Detected	BHT:	Not Detected
Lead (Pb):	Not Detected	DPTU	Not Detected
Mercury (Hg):	Not Detected	ZMBT:	Not Detected
Arsenic (As):	Not Detected	TMTD:	Not Detected
Antimony (Sb):	Not Detected	ZDBC:	Not Detected
Tin (Sm):	Not Detected	ZDEC:	Not Detected
		ZDMC:	Not Detected
		ZMBI:	Not Detected
		ZPMC:	Not Detected

ACCELERATOR FREE TESTED

VIRAL PENETRATION TESTED

Reference:	ASTM D7558-09	Reference:	ASTM F1671
Total Thiol Vulcanization:	Not Detected	Result	Passed
Result:	Passed		



PACKAGING

Gloves in dispenser:	100 gloves	Gloves in carton:	10 x 100 gloves
Dispenser dimension:	20 x 11 x 7 cm	Carton dimension:	36 x 23 x 21 cm
Shelf life:	3 years		
Storage: Store in original packaging in a dry and dark place at room temperature. Protect from heat, humidity, bright light and ozone.			

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QUALITY MANAGEMENT

Product related standards:	ASTM D6319, ASTM D5151, ASTM D5511, ASTM D6124, ASTM D6978 (Chemo and Fentanyl), ASTM D412, ASTM D7558-09, ASTM F1671, EN455-2, EN374-2, EN420:2003+ A1:2009
Quality certificates:	ISO 9001:2015 ISO 13485:2016
Medical grade:	FDA 510K approved, meets or exceeds ASTM D6319 medical requirements

PLEASE NOTICE:

Glove length is appropriate to the use where the risk is minimal to the wrist area.

Usage:

The product needs to be checked for the correct size and suitability with regard to its intended use. Before use check for damage and do not use damaged or unsuitable gloves. The gloves are intended for single use only and shall be disposed on a regular basis.

The information above are to be considered as typical values in the standard version based on the manufacturer's information. Subject to modification. The gloves shall only be used for its intended purpose.

Technical data sheet issued by:
Shield Manufacturing LLC
2015 George J Lyons Parkway East
Sandersville, GA 31082

Sales:
Alison Bagwell: abagwell@shieldtecinc.com
Todd Wright: twright@shieldtecinc.com
John Bagwell: jbagwell@shieldtecinc.com



SHIELD MANUFACTURING



Biodegradable

PUR RELIANCE BIODEGRADABLE IS A BRAND OWNED
BY SHIELD MANUFACTURING LLC

2015 GEORGE J LYONS PARKWAY EAST
SANDERSVILLE, GA 31082
UNITED STATES

ALISON BAGWELL - ABAGWELL@SHIELDTECINC.COM
TODD WRIGHT - TWRIGHT@SHIELDTECINC.COM
JOHN BAGWELL - JBAGWELL@SHIELDTECINC.COM

WWW.SHIELDMADEUSA.COM