

# PRODUCT SPECIFICATION

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**HandPRO**

**SERIES 617200**

TRIPLE  
BAGGED

**STERILE CLEAN CLASS**

**16" NITRILE GLOVES**

**400mm (16") Length**

ISO 5 Compatible

Gamma Sterilized ( $10^{-6}$ )

Excellent ESD  
Properties

Powder-Free

White to Off-White Color

Micro-Textured Surface

Double-Donnable

Ambidextrous

Beaded X-Long Cuff

Triple Bagged with 40%  
Recycled Content

Fentanyl Citrate Permeation  
Tested (100mcg/2mL >240 minutes)



**CE**

## QUALITY & CONFORMITY

- Manufactured under ISO 13485 and ISO 9001
- Conforms to the following additional test standards:

IEST-RP-CC005.4	Recommended Practice for Cleanroom Gloves
ASTM D412	Tensile Properties of Vulcanized Rubbers
ASTM D5151-99	Standard Test for Detection of Holes in Medical Gloves
ASTM D573	Accelerated Aging for Rubber (at 70° C for 166hr)
ASTM D6319-00	Standard Specification for Nitrile Examination Gloves
ASTM D6124	Test Method for Residual Powder on Medical Gloves

## PERFORMANCE REQUIREMENTS

Characteristic	Inspection Level	AQL
Freedom from Holes	G1	1.5
Visual Defects (Major)	G1	2.5
Visual Defects (Minor)	G1	4.0
Physical Properties	S2	4.0
Physical Dimensions	S2	4.0

## PHYSICAL DIMENSIONS

Size	X-Small (7-7.5)	Small (8-8.5)	Medium (9-9.5)	Large (10-10.5)	X-Large (11-11.5)	XX- Large (12-12.5)
Palm Width (± 6 mm)	76	86	96	106	116	126
Glove Length (mm)	400 Minimum					
Thickness	<b>Typical Values</b>					
Cuff (25 mm from bead)	0.08 - 0.10 mm (3.1 - 3.9 mils)					
Palm (center of palm)	0.10 - 0.12 mm (3.9 - 4.7 mils)					
Finger (13 mm from tip)	0.12 - 0.14 mm (4.7 - 5.5 mils)					

## PHYSICAL PROPERTIES

Test (ASTM D 412)	Before Aging	After Aging
Tensile Strength (MPa)	Minimum 18	Minimum 14
Ultimate Elongation	Minimum 500%	Minimum 400%

## CLEANLINESS SPECIFICATION

TNVR in H <sub>2</sub> O	5.0 µg/cm <sup>2</sup>	Liquid Particle Count (≥0.5 µm)	<1500 per cm <sup>2</sup>
Silicone, Amide, DOP	Absent	Sterility Test	<20 cfu

## SHELF LIFE & STORAGE

Five years from date of manufacture. Store in a cool, dry place away from direct sunlight.

## STERILITY

Gamma irradiated in accordance with ISO 11137-1:2006 to SAL 10<sup>-6</sup>.

## ELECTRICAL PROPERTIES

HandPRO 617200 is a static dissipative glove in use.

Surface Resistance Max 5 X 10<sup>11</sup>  
(ANSI/ESD STM 11.11)  
Static Decay Max 2.0 seconds  
(FTMS 101 METHOD 4046)

## PRODUCT NUMBERS

Size	Item #	Case Quantity
X-Small	617200	200 Pair
Small	617201	200 Pair
Medium	617202	200 Pair
Large	617203	200 Pair
X-Large	617204	200 Pair
XX-Large	617205	200 Pair

## PACKAGING

1) 1 pair 16" gloves per inner wallet, 2) 1 inner wallet inserted in inner bag, 3) 50 inner bags inserted in outer bag, 4) 4 outer bags inserted in carton liner (200 pair/case.) Packed cartons are gamma irradiated. IPA resistant printing ink used on all stickers and poly bags. Printed pouches and cartons have Lot No, Irradiation Date and Expiry Date.

## WEIGHTS & DIMENSIONS

Item #	Case Gross Weight (KG)	Case Gross Weight (LBS)
617200	8	17.6
617201	8.4	18.5
617202	8.6	19
617203	9.1	20.1
617204	9.4	20.7
617205	9.6	21.2
<b>Case Dimensions</b>		
455 x 320 x 310 mm 17.9 x 12.6 x 12.2 in		

Manufactured in Malaysia for Hourglass International, Inc. The information on this document is a guideline of typical values and characteristics of the product.

The specifications provided reflect the minimum acceptable requirements of the ASTM and FDA where applicable. Actual testing results are available upon request. Gloves offered by Hourglass International, Inc. meet or exceed these physical requirements. Independent laboratory test results are available upon request.

Your Protection Is  
Our Purpose



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