



PureTex Nitrile Cleanroom Glove is specifically engineered for semiconductor fabrication processes. The advanced synthetic rubber copolymer construction offers a uniquely responsive feel, superior grip, and tactility without compromising comfort. Washed and laundered suitable for ISO 4+ cleanrooms, with low extractables & Non-Volatile Residues (NVRs), and is completely free from silicone, Amid, and DOP. PureTex cleanroom gloves are an ideal recommendations for Microelectronics Industries where cleanliness and dexterity is paramount.

Specification

- Suitable for ISO Class 4+ Cleanrooms
- Length: 300 (12")
- Material: Nitrile
- Beaded Cuff
- Protein Levels: Latex free
- Surface: Textured Fingertips
- Shape: Ambidextrous
- Powder-free
- Colour: White

Features

- Laundered & Packed in a Class 5 Cleanroom
- Non-smooth surface for excellent grip
- Anti-static
- Double bagged in non-particulating packaging
- Low extractables and NVRs
- Free of Silicone, Amide & DOP



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PARTICLES	Specification	Test Method
Particles $\geq 0.5\mu\text{m}$ (Counts / cm^2)	≤ 900	IEST-RP-CC005.4

EXTRACTABLES (ION)	Typical Values ($\mu\text{g}/\text{cm}^2$)	Test Method
Fluoride (F^-)	< 0.005	IEST-RP-CC005.4
Calcium (Ca^{2+})	< 0.500	
Chloride (Cl^-)	< 0.200	
Bromide (Br^-)	< 0.020	
Nitrate (NO_3^-)	< 0.300	
Phosphate (PO_4^{3-})	< 0.100	
Sulphate (SO_4^{2-})	< 0.100	
Ammonium (NH_4^+)	< 0.100	
Potassium (K^+)	< 0.050	
Nitrite (NO_2^-)	< 0.005	
Magnesium (Mg^{2+})	< 0.050	
Sodium (Na^+)	< 0.050	

ADDITIONAL TESTS	Specification	Test Method
NVR	$2.5 \mu\text{g}/\text{cm}^2$	IEST-RP-CC005.4
FTIR	Silicone free and non-detectable levels of amide and DOP	
Surface Resistivity	$10^9 - 10^{11} \Omega/\text{sq}$	ANSI/STM 11.11
ESD (1000 -100 V)	$< 3.0\text{S}$	FTMs No.101 (406)
Outgassing (H_3S)	No Colour Variation	
Copper Corrosion Test		

PACKAGING CLEANLINESS	Specification	Test Method
Particle count of inner bag	$\leq 100\text{pcs}/\text{cm}^2$ ($0.5\mu\text{m}$)	IEST-RP-CC005.4

NOMINAL THICKNESS	mm (+/-0.03mm)	mil	Test Method
Finger	0.12	4.7	ISO 21420
Palm	0.10	3.9	
Cuff	0.09	3.5	

LENGTH	Specification	Min	Norm
From middle finger tip to edge of cuff	300mm +/- 10mm	290mm	ISO 21420

PALM WIDTH	XS	Small	Medium	Large	XL
Palm (mm) +/- 10mm	70	80	95	110	120

STRENGTH PROPERTIES	Force at break (spec)		Elongation (spec)	Test Method
Before aging	≥ 6.0N	14 MPa	≥ 500%	ASTM D412
After aging	≥ 6.0N	14 MPa	≥ 400%	

FREEDOM FROM HOLES	Performance	Test Method
Acceptable Quality Level (AQL)	G1 / AQL 1.5	EN ISO 374-2:2019

AQL as defined per ISO 2859-1:1999 for sampling by attributes

RISKS	Description		Results
Micro-organisms	EN ISO 374-5  VIRUS	EN 374-5:2016 Protection against Bacteria and fungi Protection against viruses	Level Pass Pass
Virus			
Chemicals	EN ISO 374-1 / Type B   KPT	EN ISO 374-1:2016+A1:2018 / Type B (K) Sodium Hydroxide 40% (P) Hydrogen peroxide 30% (T) Formaldehyde 37%	Level 6 2 4

DESCRIPTION					
Material / Construction	Nitrile synthetic rubber				
Design	White, ambidextrous, beaded cuff, textured fingertips				
Packaging	100 gloves per easy tear inner bag double sealed PE bag - 10 double sealed PE bags per tied carton liner - 1 tied carton liner per carton = 1000 gloves.				
SIZES	6/XS	7/S	8/M	9/L	10/XL
Codes	NG10-XS	NG10-S	NG10-M	NG10-L	NG10-XL
QUALITY					
Quality assurance	Production management in accordance with ISO 9001:2015 and ISO 13485:2016				
STORAGE & SHELF LIFE					
Storage	To ensure the longevity and effectiveness of nitrile gloves, store them in a cool, dry, and dark place, ideally between 10°C and 22°C away from direct sunlight, heat sources, and ozone				
Shelf Life	36 Months from manufacturing date				
STANDARDS					
CE/UKCA registration	PPE Category III (Complex Design) - Regulation (EU) 2016/425.				
EU PPE Standards	EN 16523-1:2015+A1:2018, EN ISO 374-4:2019, EN ISO 374-1:2016+A1:2018				
USA standards	IEST-RP-CC005.4, ASTM D412-16, ASTM D257-93				
DOCUMENTATION					
Declaration of conformity	The documents can be downloaded from the product page on our website: https://www.lynbond.co.uk				
EU type examination certificate					
User's instructions					
Certificate of conformance					

