WATERBORNE POLYURETHANE

DISPOSABLE EXAMINATION GLOVES

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THE HISTORY OF MEDICAL GLOVES

DISPOSABLE PROTECTIVE GLOVES

NEW MATERIAL

—First—

LATEX GLOVES

Good elasticity, degradable. Contains natural latex protein, easy to cause latex allergy.
Not antistatic.

PE GLOVES

Polyethylene gloves, with poor elasticity and airtight air, are commonly used in the catering industry.

—Second—

PVC GLOVES

PVC gloves, Poor elasticity, impermeability, and difficult to degrade. Affected by the "plastic restriction order"facing environmental protection pressure.

MIXED NITRILE GLOVES

Bported mixed nitrile gloves , are actually PVC modified gloves.

—Third—

NITRILE GLOVES

Synthetic nitrile latex, non-allergic, anti-static. Insufficient elasticity and permeability. Sulfide and chloride ions remain , which are corrosive to electronic products.

—Fourth—

WATERBORNE POLYURETHANE GLOVES

High elasticity, anti-static, no latex allergy, recyclable production of plastic particles. High sensitivity, identifiable fingerprint unlock. No sulfur, no chlorine, no halogen, no oxidative damage to electronic products.

NEW CRAFT

Thinner gloves

Polymer breathable film: Gloves are sensitive for flexible handling of precision electronic components. Thin and flexible, saving raw materials.

Chlorine-free washing

Waterborne polyurethane coating instead of chlorine washing process, saving 600 meters oven, reducing consumption and environmental protection.
Gloves have no chlorine residue.

No vulcanization required

essment requirements produce carcinogenic nitrosamine. Gloves have no sulfide residue and no pungent odor (the odor emitted by nitrile gloves comes from hydrogen sulfide produced by the interaction of sulfur and carbon dioxide).

No leaching

The production process does not require leaching, saving a lot of water, the water consumption is 1/10 of nitrile, and saving a lot of energy.

Low environmental assessment requirements

No sulfur, no chlorine, no emissions, more environmentally friendly production process. Legal and compliant chemical industrial park, low EIA requirement.

NO OXIDATION CORROSION

NO RESIDUE

Sulphur-free

In the production process, there is no sulfide, no sulfur and sulfide promoter, no sulfide, to avoid the strong oxidation of low sulfur to metals and electronic products.

Chlorine-free

Polymer coating process , no chlorine washing, no chlorine residue. Avoid the oxidative corrosion and metal ionization of metals and electronic products.

Halogen-free

Halogen-free, in line with the electronics industry's "halogen-free requirements" to avoid strong oxidative damage to electronic products.

Silicone oil-free

Do not contain silicon, avoid silicon element adsorption on the surface of electronic components,resulting in resistance change or arc breakdown.

NEW TECHNOLOGY

High elasticity

Mechanical index	Waterborne Polyurethane Gloves	Nitrile Gloves	Latex Gloves
Tensile Strength	⩾40MPa	⩾14MPa	⩾18MPa
Stretch Ratio	＞650%	＞500%	＞700%

Not only has high elasticity, but also high strength, toughness, tensile resistance, rebound without deformation.

Flexible

Polymer film material, the gloves are thin and flexible. Real touch, easy to operate precision electronic components.

WATERBORNE POLYURETHANE GLOVES	Min Thickness	Max Thickness
glossy	0.03 mm	2.00 mm
hemp surface	0.04 mm	2.03 mm

(Take M code as an example for reference)

High elasticity

Flexible sensitive

Breathable

High Moisture Permeability

Comparison of moisture permeability of gloves — MVTR,mg/(m2-day)

Glove Material Type ▼	Mocon	ASTM E96	
		Standing Cup	Inverted Drinking Glass
Waterborne Polyurethane	1459.8	442	507
Isoprene	137.3	13	28
Natural Rubber	126.8	36	25
Neoprene	134.2	17	11

With good moisture permeability, breathable and waterproof, not stuffy sweat, reduce the hand stuffy damp feeling.

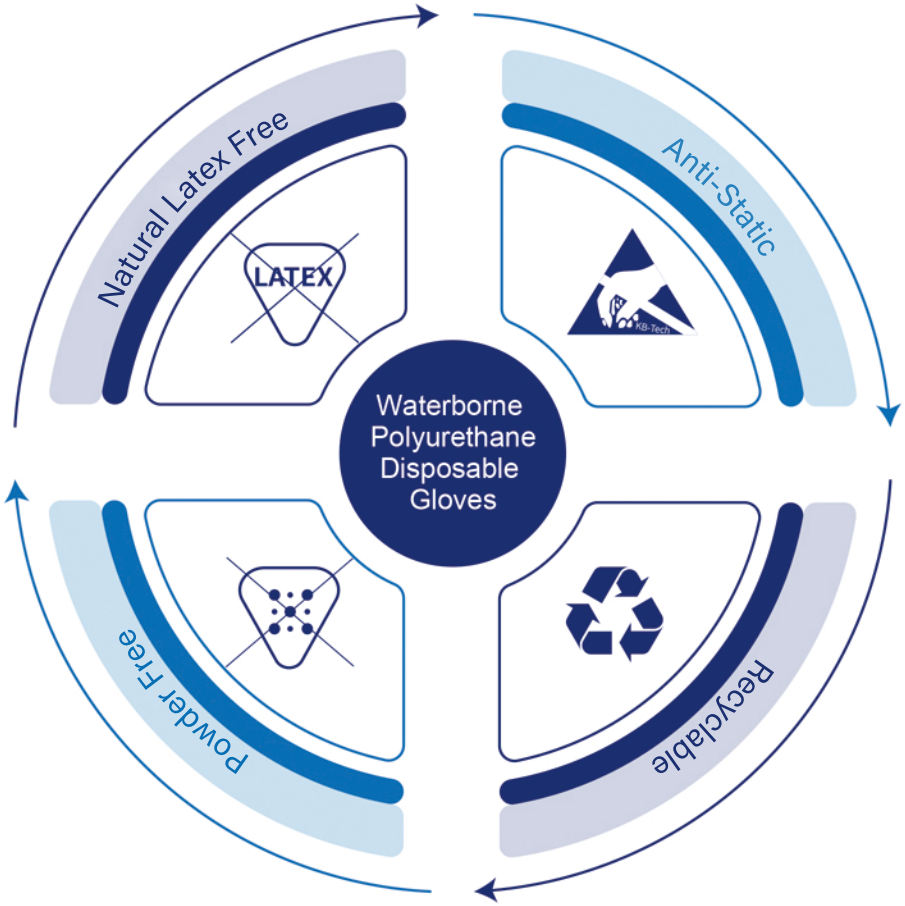
WATERBORNE POLYURETHANE GLOVES

AVOID LATEX ALLERGIES、ANTI-STATIC

MORE SECURE

Waterborne polyurethane raw materials are pure, do not contain natural latex, and prevent allergic reactions caused by natural latex protein.

Clean powder-free gloves to avoid skin or respiratory allergies caused by powder. Avoid powder pollution to the dust-free workshop.



Anti-static material, reduce the damage of static electricity to electronic components, to avoid the potential harm of static electricity accumulation to the human body. Suitable for various dust-free workshops.

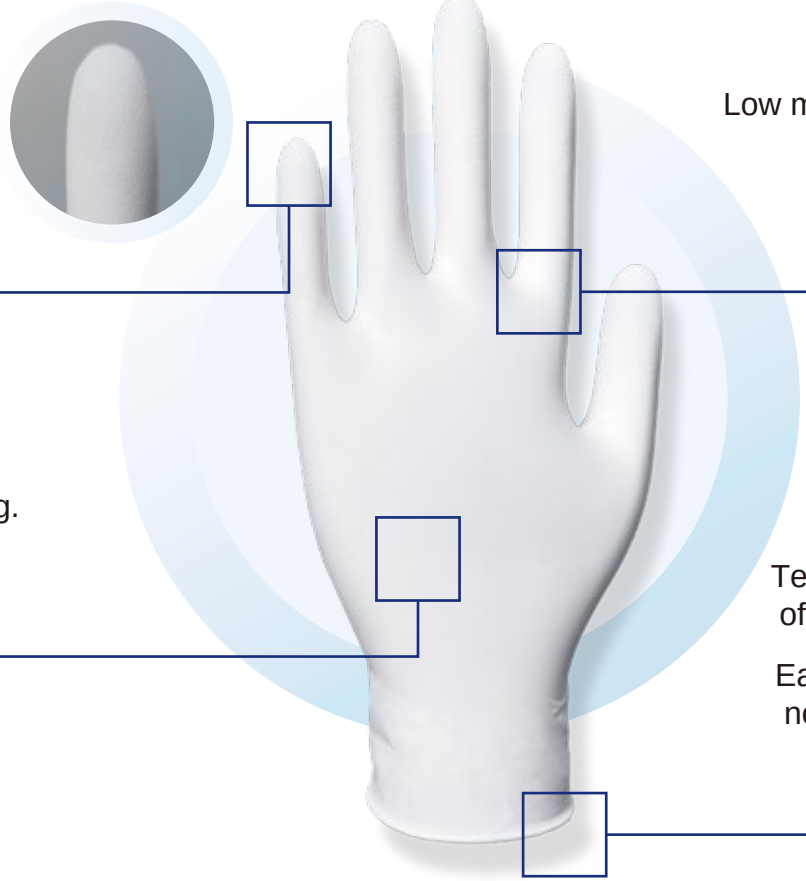
Waterborne polyurethane gloves are biodegradable; used gloves can be recycled to produce plastic particles, and discarded gloves are treated without pressure.4

TECHNICAL PARAMETERS

FINGERTIPS

01※Increase the damping coefficient for easy pinching.

02※Thin enough, flexible and sensitive operation.



WRINKLES ON FINGERS

Low modulus and good elasticity. ※ 01

Flexible and comfortable.※ 02

PALM

01※Increase the damping coefficient for easy pinching.

02※Thin enough, flexible and sensitive operation

ROUND HEM

Technology ating from the accumulation of ultra-thin condoms. ※ 01

Easy to wear, good sealing, not easy to slide. ※ 02

USED IN ELECTRONICS INDUSTRY

PRODUCT FEATURES

For the electronics industry

Sulphur-free	No low-valent sulfur, no sulfide residue
Chlorine-free	Avoid chloride ion residue
Halogen-free	Meet the "halogen-free requirements" of the electronics industry
Silicone oil-free	Avoid silicon adsorption to electronic components
Anti-Static	Avoid damage from static buildup

Avoid oxidative corrosion and ionization damage to electronic components; Waterborne polyurethane gloves are suitable for all kinds of clean and dust-free workshops.

Environmentally friendly and pollution-free

Powder-free	Avoid powder contamination of the "clean room"
Recyclable	Used gloves can be recycled to produce plastic pellets
Biodegradable	Waterborne polyurethane gloves are biodegradable
No Emissions	Production process no sulfur, no chlorine, no pollution

Production process: no vulcanization, no chlorine washing, no discharge; No carcinogenic nitrosamines are produced, more environmentally friendly and pollution-free.
Gloves: Recyclable, degradable and odorless.

SPECIFICATIONS

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Improve Efficiency, No Allergies

Not made with Natural Rubber Latex

High Elasticity

Breathable

Flexible Sensitive

- One-time use, non-sterile treatment, universal for left and right hands.
- Gloves are available in a variety of colors and sizes.

Weight	Conventiona
Take M code as an example	3.2 g ± 0.2 g

Size	Width (mm)	Min length (mm)
S	80±5	220
M	85±5	230
L	100±5	230
XL	110±5	230

	Min breaking force	Min elongation at break
Befor Aging	7.0N	500%
After Aging	7.0N	400%