Technical Data sheet

Acid and alkali resistant gloves

◆ Product Description

The acid and alkali resistant gloves are made of PVC + nitrile (polyvinyl chloride mixed with nitrile), and they have excellent chemical resistance to a variety of acids, alkalis and solvents. The soft and breathable inner lining and the ergonomic shape ensure that the hands can move freely. The gloves are highly durable and abrasion resistant, and they can maintain their shape and performance during frequent use, ensuring long-term use and reliable protection.

- Exceptional Acid and Alkali Resistance
- High - Strength Protection
- Good Flexibility
- Anti - Slip Treatment
- Easy to Clean and Maintain

◆ Product Structure

- The outer protective layer of the acid and alkali resistant gloves is made of a special material that combines polyvinyl chloride and nitrile. It has excellent acid and alkali resistance and can block strong acids and alkalis. The middle reinforcement layer is added with high-strength fiber materials, which are interwoven into a network structure to enhance the ability to resist puncture, abrasion, and acid and alkali penetration. The wrist part adopts a tight-fitting sealing design to prevent liquid from flowing in and ensure stable wearing. the inner comfort layer is made of soft, skin-friendly, and breathable materials, which can absorb sweat and reduce hand pressure and discomfort.

◆ Typical Applications

- Acid and alkali resistant gloves are widely applicable in many scenarios. in industries such as chemical production, electroplating, battery manufacturing and metal surface treatment, they can resist strong acids like sulfuric acid and hydrochloric acid, as well as strong alkalis. In laboratory research, they can protect researchers from acid and alkali splashes generated during experiments. in the pharmaceutical and food processing (special process) industries, these gloves not only protect the hands of personnel, but also ensure that the production processes of pharmaceuticals and food are free from hand contamination.

◆ Typical Product Data and Physical Properties

Material: PVC + Nitrile (Polyvinyl Chloride mixed with Nitrile)
Color: Tendons Yellow
Chemical Protection Performance：
Sulfuric Acid: ≤ 70%, ≥ 8 hours
Sodium Hydroxide: ≤ 40%, ≥ 6 hours
Nitric Acid: ≤ 30%, ≥ 4 hours
Puncture Resistance: ≥ 20N
Tensile Strength: ≥ 25MPa

Availability:

Item#	size	Color	Packing Method
1.1.05.12.0099	L#	Tendons Yellow	1 pair/bag 300 pairs/carton

◆ Technical and Application Assistance

HORB provides a technical hotline to answer your technical and application related questions.

◆ Note:

This information is believed to be accurate. It is intended for professional end users having the skills to evaluate and use the data properly. HORB data for reference only