
POLYISOPRENE LATEX

Item Model

IR-550 Series

Appearance and Odor

White latex, light odor.

Characteristic

No protein, few non-rubber component, no skin allergy upon contact.

No ammonia, light odor, safe and environmentally friendly.

Strong tensile strength and large elongation at break.

Strong chemical stability.

Application and Advantages

IR-550 has a wide range of applications, as it can replace natural latex in various industries. Mainly, it has been used in high-grade medical impregnated products, medical protective products, medical adhesives, etc.

Compared with natural latex, IR-550 does not contain protein, so it will not cause skin allergy upon contact.

Compared with other synthetic latex, IR-550 has better physical properties; it does not contain ammonia, so it is odorless, safe, and environment friendly.

IR-550 is the best material to produce surgical gloves, catheters, self-adhesive bandages, dental surgical drapes, condoms, man-made nipples, etc.

Quality Index

Item	Index	Item	Index
Total solid content/%	50±1	Mechanical stability/s	≥300
Ph Value	9.5-12	Latex odor	Light
Viscosity/mPa·s	<150	Color	White

Package

Packed in HDPE containers, net weight 200KG/Drum or 950KG/square barrel. Shelf life: 12 months.

Attention: It is normal that the surface layer thickens over storage time. If this happens, turn the container upside down and shake well before use.

Transportation and Storage

This product does not belong to the Dangerous Goods category. During transport, the product should be protected from fire, rain and extensive sunlight exposure. The product should then be stored in a well ventilated and dry environment. No direct sunlight is allowed. The ideal storage temperature is room temperature (5°C-35°C).

Handling Precautions

This product has great mixing properties that allow itself to be used with an array of latex materials. It should be noted that the product is prone to gelatinize at high temperatures ($> 50^{\circ}\text{C}$). It is recommended to operate at room temperature. If a high operation temperature is needed for mixing, please contact us for solutions.

Health and Environmental Protection

This product is of low toxicity. It is harmless to the human body, and does not cause allergic reactions upon contact. The product contains no ammonia, and thus presents few risk to the work environment.

Prevention and Control of Accident

If accidentally contacted with eyes, rinse with water immediately. In severe cases, see a doctor immediately. If accidentally ingested, see a doctor immediately. Since the product has bonding properties, in cases of leakage, rinse with water immediately to prevent unwanted adhesion.