



Technical Data Sheet (TDS) — Natural Latex

Product Name: Natural Latex Concentrate
Supplier: Basekim Chemical Production Co.

Product Description

A natural rubber latex concentrate containing ~60% dry rubber content, stabilized with ammonia and suitable additives. Offered in various grades: High Ammonia (HA), Low Ammonia (LA), Prevulcanized, Double-Centrifuged, and specialty blends. Suitable for wide range of applications from gloves and foams to adhesives and coatings.

Typical Applications

- Dipping goods (gloves, balloons, catheters)
- Foam rubber products (mattresses, padding, etc.)
- Adhesives and pressure-sensitive adhesives
- Coatings and sealants
- Textile finishing and carpet backings

Grade Types

Grade	Key Features
High Ammonia (HA)	Strong preservation, longer shelf life / transport stability
Low Ammonia (LA)	Lower ammonia odor; may require additional preservative
Double-Centrifuged	Low impurities and proteins; cleaner for medical / sensitive uses
Prevulcanized	Contains vulcanizing agents to reduce cure time in downstream processing

Typical Physical & Mechanical Properties

Property	Typical Value / Range
Dry Rubber Content (DRC)	~ 60% ± 2%
pH	9.5 – 11.0
Viscosity (Shear at 25°C)	50 – 150 mPa·s
Density (25°C)	~ 0.94 – 0.97 g/cm ³



Property	Typical Value / Range
Ammonia Content	0.6 - 0.8% (HA grade)
Coagulum Content	< 0.05%
Volatile Fatty Acid (VFA)	≤ 0.05%
Mechanical Stability Time (MST)	> 650 seconds (for HA grade)
Film Properties	Good stretch / elongation; strong tensile strength after curing (values depend on downstream curing process)

Packaging

- Drums: ~200 kg net weight
- IBC Tanks: ~1,000 kg capacity
- Bulk: Tanker shipments for large scale demand

Storage & Handling Recommendations

- Store at **5-30°C**, avoiding freezing and high heat.
- Protect from direct sunlight and UV exposure.
- Keep containers tightly sealed to retain stabilizer levels (e.g. ammonia).
- Agitate gently before use if separation or settling occurs.

Quality & Standards

- ISO 2004 for natural rubber latex concentrates
- ASTM D1076 (natural latex rubber)
- REACH / RoHS compliance for chemical safety and environmental protection

Safety & Usage Notes

- Monitor and control latex protein levels in finished products if used for medical / food contact purposes.
- Be aware of latex allergy sensitization in end-users; suitable labelling may be required.
- Ensure curing / vulcanization additives are compatible with the intended downstream process.

