

NATURAL RUBBER - Latex

Properties and Applications

By **Emamou**

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Sustainable Plantation – Intercropping rubber



Milky and Sticky Latex

About

Emamou commits to delivering only sustainable materials and products for the circular and bioeconomy. Natural rubbers are established in our key business portfolios.

Natural rubber (NR) has a highly economic importance thanks to its versatility and wide application. NR is one of the high demanding raw materials in the coming decades and the European laws and regulations require that NR supply to be proved a secure, sustainable and affordable for the EU manufacturing industry up to 2050. NR is now under scrutiny of potential supply risks, and to tackle any uncertainties, sustainability compliance is therefore needed.

Emamou supplies NR of strict quality control and with sustainability performance including environmental and social compliance.

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Latex

General Description

Latex is a milky and sticky colloid which is dribbled from the rubber bark. The process, in which rubber bark is incised so that a fluid is dribbled into vessel, is called "tapping". The latex then is refined into rubber which will be used for further commercial processing. In most harvested areas, latex is coagulated then processed into dry forms that are easier for both transport and further processed phases.

Concentrated latex is transformed from field latex. By adding formic acid and using centrifuge methods, concentrated latex is obtained of about 60% dry rubber content (DRC). Concentrated latex is in principle pure and is one of the cleanest raw rubber materials

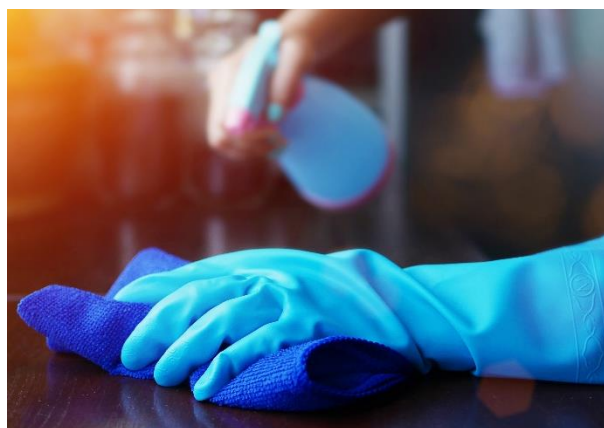
Properties:

Latex properties

HA Latex: High ammonia latex concentrate of 60 % DRC

HA Latex is a natural rubber latex concentrate which is obtained by centrifugation and preserved with a high amount of ammonia. It is also known as Standard Ammonia, High Ammonia or Full Ammonia. HA Latex demonstrates excellent films of high clarity and has good adhesion characteristics as a binding agent when suitably compounded. HA Latex is the latex most widely used worldwide.

Gloves:



Usage

HA Latex, after being processed with other components, has a high application especially in dipped products: medical and industrial gloves, finger cots, tubes, rubber threads, balloons, prophylactics (condoms). HA Latex is also used as an adhesive for balls, bandages, wood lamination, and for binding materials together.

Rubber binding materials:



Latex properties

LA Latex: low ammonia latex concentrate of 60 % DRC

LA Latex is obtained by centrifugation and preserved with low ammonia with other preservatives .

Skim Block

Skim block is a by-product of latex production and is a light coloured clean rubber. There are variety of latex grades, such as Medium Ammonia Latex, Double Centrifuged Latex, TSR CV and TSR L of multi-origin, pre-vulcanised latex, low protein latex concentrate, PA80 and SP50.

Rubber tubes, shoes and gloves:



Usage

LA Latex, after being processed with other components, has a wide application especially in foams, dipping products, mattresses, reconstituted/reclaimed leather, balloons, shoe soles, and adhesive bindings. LA Latex is commonly used in temperate and cold climate where manufacturing activities are indoor to avoid low temperature, thus lower level of ammonia content is desirable.

Skim block is commonly used for rubber toys, rubber parts, rubber sheet, conveyor belts and shoe soles. It is suitable for products where the tear strength of rubber is not critical.

Conveyant belts:



Standards:



FSC/PEFC

- Sustainable Forest Management
- Chain of Custody



ISO 14001 and ISO 9001

Our services:

- **In-depth sustainability consultation** on how to process or use specific low-carbon and sustainable materials and products
- **Design and deliver products** to your specific requirements
- **Services and guidance** before and after purchase contract

How we can assist you further:



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