

**USE OF DILUTED NATURAL RUBBER
CENTRIFUGED LATEX
FOR PILLOW MANUFACTURE.**

A PROJECT REPORT PRESENTED BY

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ABSTRACT

Natural rubber latex is collected by tapping rubber tree trunks. They are preserved and concentrated for latex product manufacture. Ammonia preserved centrifuged latex having approximately 60 % dry rubber content is used for manufacture of foam rubber of all densities. Different densities are obtained by changing the latex to air ratio. In the range of foam rubber products, latex pillow should be a soft and light product. Continuous foaming machines have limitations in increasing air flow rates and some times the maximum possible air flow rate will be not sufficient to obtain very low densities. Further, the high air flow rates may result in poor quality foam.

This trial was carried out to find out the possibility of using natural rubber latex having lesser dry rubber content to obtain lighter and softer products in pillow manufacture. Product performance shows similar characteristics with that of products made by latex having approximately 60 % dry rubber content, as established by studying physical properties of both products.

This is an economical alternative in natural latex pillow manufacture which requires to obtain considerably lower densities and it also makes the process controlling easy.