

## **E2-01: Influence of non rubber constituents on the physical properties of pale crepe rubber**

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Fresh natural rubber (*Hevea*) latex is characterised by the presence of viscoids of varying sizes between 5-200 microns. These viscoids contain a large amount of non-rubber substances such as phenols, polyphenols, amino acids, amines, fatty acids, carotenoids, sugars and metallic substances.

The variation in non-rubber substances affects physical properties of rubber. Natural rubber produced in the form of pale crepe is light coloured and used in food and pharmaceutical applications, adhesives and other light coloured products. Crepe rubber could be manufactured to contain various proportions of non-rubbers by changing the processing conditions. This will enable the crepe rubber to be presented in a technically specified form to cater to a particular requirement. This paper deals with the comparison of raw rubber properties with that of physical properties of crepe rubber manufactured under different conditions.