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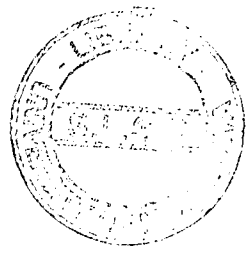
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DEVELOPMENT OF RUBBER COMPOUND
FOR
RICE HULLING ROLLER MANUFACTURE



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THIS DISSERTATION WAS SUBMITTED BY
H.N.K.K.CHANDRALAL AS PARTIAL FULFILMENT
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ABSTRACT

The market potential and manufacturing techniques of rice hulling rollers have been briefly examined.

Selection of polymer, curatives and compounding methods were discussed.

Experimental data on the comparative performance including service trials of natural rubber based rollers.

vis -a - vis synthetic rubber rollers is presented.

The special advantages of skim natural rubber in this particular application is emphasized.

The use of silane coupling agent and the cashew nutshell liquid based rubber to metal bonding system in rice hulling rollers is also described.