

林学—研究报告

不同品系橡胶树的组份及生胶性能研究

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摘要:

为了利于天然橡胶研发利用, 利于橡胶制品选材, 顺应可持续发展战略, 提高天然橡胶制品经济效益, 笔者研究了RRIM600、热研7-20-59、热研8813、热研7-33-97、PR107和热研8-79这6种橡胶树品系的天然橡胶鲜胶乳性能、生胶性能和混炼胶的硫化特性以及硫化胶的物理机械性能。结果表明: 不同品系天然胶乳的化学成份、生胶性能存在差异; 热研8-79的干胶含量最高, 杂质含量最高; 热研7-20-59的灰分含量、丙酮溶物含量最高; 热研8-79和热研7-33-97的硫化胶所需的正硫化时间最长, 而热研88-13所需的正硫化时间最短; RRIM600物理机械性能最好。

关键词: 物理性能

Study on Components and Raw Rubber Performance of Different Strains Rubber Tree

Abstract:

In order to benefit at natural rubber for research ,development and utilization, benefit at rubber products material, comply with the strategy of sustainable development route, improve natural rubber products economic benefits, performance of fresh nature rubber latex, properties of raw rubber, vulcanization characteristics of compounded rubber and the properties of physical and mechanical vulcanized rubber about Reyan RRIM600, Reyan 7-20-59, Reyan 88-13, Reyan 7-33-97, PR107 and Reyan 8-79 strains of 6 kinds of rubber tree were studied. The results showed that chemical ingredient of natural rubber latex, properties of raw rubber different of strain were diversity; dry rubber content and impurity content of Reyan 8-79 were highest; ashes content and acetone solute of Reyan 7-20-59 were highest; vulcanized rubber of Reyan 8-79 and Reyan 7-33-97 had a longest vulcanizing time, while Reyan 88-13 was shortest; physical and mechanical vulcanized rubber of Reyan RRIM600 were best.

Keywords: physical performance

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