

HY 的 NR 硫化胶的物理性能明显优于氨水作保存剂的硫化胶,尤其是拉伸强度提高了 26%。

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Influence of Ammonia Free Preserving Agent HY on Properties of Natural Rubber

ZHANG Wen-fei^{1,2}, CHEN Tao¹, WANG Ting^{1,2}, HUANG Mao-fang², ZENG Ri-zhong³, GUI Hong-xing²
(1. Hainan University, Haikou 570228, China; 2. Agricultural Product Processing Research Institute, Chinese Academy of Tropical Agriculture Science, Zhanjiang 524001, China; 3. Rubber Research Institute, Chinese Academy of Tropical Agriculture Science, Danzhou 571731, China)

Abstract: Using a soluble and non-volatile broad-spectrum bactericide HY as a new ammonia free preserving agent for fresh natural rubber latex(NRL), and the preservation effect and influence of HY on the properties of raw and crosslinked NR were investigated. The result showed that, HY had good effect on the preservation of fresh NRL, the viscosity and pH value remained almost unchanged while the fresh NRL was stored for 120 h, and the addition level of acid for coagulation decreased significantly. The performance of HY preserved raw rubber met the requirements of standard natural rubber, and the plasticity retention index was 10 units higher than that of ammonia preserved rubber. The physical properties of NR vulcanizate were much better than those of ammonia preserved NR vulcanizate, especially, 26% higher for the tensile strength.

Key words: ammonia free preserving agent; fresh natural rubber latex; physical property

一种闭孔发泡橡胶

中图分类号 TQ336.4+6 文献标志码 D

由安徽金科橡塑制品有限公司申请的专利(公开号 CN 103421216A, 公开日期 2013-12-04)“一种闭孔发泡橡胶”, 涉及的闭孔发泡橡胶配方为:天然橡胶 85, 氯丁橡胶 15, 氧化锌 4~6, 硬脂酸 7~9, 防老剂 4020 1~2, 硬脂酸单甘油酯 1~2, 环烷油 50~60。该闭孔发泡橡胶可以制备用于机械套接部件间的垫圈, 产品具有弹性好、耐老化、耐酸碱、耐化学溶剂的优点, 能在恶劣的环境条件下使用。

(本刊编辑部 赵 敏)

一种耐磨橡胶配方

中图分类号 TQ333.1;TQ332 文献标志码 D

由安徽金科橡塑制品有限公司申请的专利(公开号 CN 103421219A, 公开日期 2013-12-04)“一种耐磨橡胶配方”, 涉及的耐磨橡胶配方为:丁苯橡胶 80, 天然橡胶 20, 碳酸钙 20, 氧化锌 2, 硬脂酸 0.5, 硬脂酸锌 1, 防老剂 RD 1, 防老剂 4010NA 1, 分散剂 RL-22 2, 增塑剂 1.5, 硫化剂 1, 促进剂 0.2。该耐磨橡胶具有较低的硬度, 与骨架材料间的粘合力较强, 能保证稳定的粘合效果。

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