

以有效解决轮胎在夏季存储时防护蜡喷霜问题。

3 结论

(1) 与普通防护蜡相比, 高熔点防护蜡的异构烷烃和碳原子数大于35的烷烃质量分数较大, 熔点更高, 粘度更大, 可形成更致密的蜡膜。

(2) 与添加2份普通防护蜡的胎侧胶相比, 用1份高熔点防护蜡等量替代普通防护蜡的胎侧胶加工性能、热老化前后的物理性能和耐天候老化性能相当, 耐静态臭氧老化性能提高。采用高熔点防护蜡部分替代普通防护蜡, 可以解决半钢子午线轮

胎在夏季存储时防护蜡喷霜问题。

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Application of High Melting Point Protective Wax in the Sidewall Compound of Semi-steel Radial Tire

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Abstract: The application of high melting point protective wax in the sidewall compound of semi-steel radial tire was studied. Compared with regular protective wax, the content of isoparaffin and the content of paraffin molecules with more than 35 carbon atoms in the high melting point protective wax were higher, and thus its melting temperature and viscosity were higher. As a result, the high melting point wax could form a better protective film. The experimental testing results showed that compared with the compound filled with 2 phr of regular protective wax, the compound with 1 phr of high melting point protective wax possessed better ozone resistance, while maintaining similar processing properties, similar physical properties before and after thermal aging, and similar weathering resistance. Besides, using high melting point protective wax to replace part of the ordinary protective wax, the wax blooming of the tire during summer storage could be resolved.

Keywords: high melting point; protective wax; semi-steel radial tire; sidewall compound; ozone aging; weathering; blooming



信息·资讯

山西地区新增7万t炭黑产能

日前, 山西地区新增7万t炭黑产能。山西立信化工有限公司年产3万t硬质炭黑生产线和山西永东化工股份有限公司年产4万t硬质炭黑生产装置投产。这2套装置生产的炭黑工艺稳定, 产品质量达到国家标准要求。

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