

3 结论

(1) 加入不饱和脂肪酸锌皂类加工助剂, NR胶料的门尼粘度显著降低, 硫化速度加快, 炭黑分散性提高, 这有利于橡胶制品生产效率提高和能耗降低; 脂肪酸锌皂类加工助剂不饱和度越大, NR胶料的门尼粘度降幅越大。

(2) 加入不饱和脂肪酸锌皂类加工助剂, NR胶料的抗硫化返原性能显著改善; 随着脂肪酸锌皂加工助剂不饱和度增大, NR胶料的抗硫化返原性能提高。

(3) 脂肪酸锌皂类加工助剂的不饱和度增

大, NR胶料的耐热老化性能降低。

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Influence of Zinc Salt of Unsaturated Fatty Acid on the Properties of NR

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Abstract: In this study, the influence of zinc salts of fatty acid, specifically, zinc stearate, plasticizer A and processing aid HA60, on the properties of NR was investigated. The results showed that with zinc salts of fatty acid, the Mooney viscosity of NR compound was significantly reduced, the curing speed increased, and the dispersion of carbon black and anti-reversion property were improved. It was found that when the unsaturation degree of the fatty acid increased, which was in the order of zinc stearate < plasticizer A < HA60, the Mooney viscosity of NR compound increased, the dispersion of carbon black was improved, anti-reversion property was improved, but the heat aging resistance decreased.

Keywords: processing aid; zinc salt of fatty acid; degree of unsaturation; zinc stearate; plasticizer A; processing aid HA60; NR; Mooney viscosity; anti-reversion property

信息·资讯

印度对韩国橡胶用炭黑进行反倾销调查

据《印度时报》报道, 应菲利普炭黑公司和高技术炭公司的申请, 印度对原产于韩国的橡胶用炭黑进行反倾销立案调查, 涉案产品的海关编码为28030010。该案的倾销调查期为

2013年4月1日至2014年9月30日, 损害调查期包括2010-2011财年、2011-2012财年和2012-2013财年。

国艺