

老剂4010NA/D并用胶料的耐磨性能优于防老剂D单用胶料。

参考文献:

- [1] 李建宁,王柱庆.防老剂CX-40在载重斜交轮胎胎体胶中的应用[J]. 轮胎工业,2010,30(7):423-425.
[2] 李明枝,朱飞雷,许辉.新型防老剂3C18在工程机械轮胎胎面胶中的应用[J]. 轮胎工业,2010,30(11):668-674.
[3] 俞华英,吴春齐,刘蓉.防老剂S-RD在航空轮胎中的应用[J]. 轮胎

工业,2013,33(10):604-607.

- [4] 齐琳,梁诚.橡胶助剂技术进展[J]. 橡胶科技,2013,11(10):5-11.
[5] 何有圣,李辉,张进,等.防老剂S789在轮胎胎侧胶中的应用性能研究[J]. 轮胎工业,2016,36(4):221-224.
[6] 赵艳芳,廖建和,陈文泉,等.粉状4010NA防老剂对NR胶料的防护性能[J]. 热带农业科学,2006,26(2):22-24.
[7] 李志君.天然橡胶分析与试验[M]. 北京:中国农业大学出版社,2007.

收稿日期:2017-07-12

Application of Antioxidant 4010NA(N) in Tire Compound

HE Shuang¹, LI Wenpeng¹, ZHAO Yanfang^{1*}, XU Yingguang², JIANG Guiyu¹, CHEN Riliang¹

(1. Hainan University, Haikou 570228, China; 2. Products Quality Supervision and Testing Institute of Hainan Province, Haikou 570203, China)

Abstract: The effects of antioxidant blend of antioxidant 4010NA(N) and D on the properties of tire tread compound and sidewall compound were studied and compared with antioxidant 4010NA. The results showed that the curing characteristics of the compound were not significantly affected by the use of antioxidant 4010NA(N)/D blend, while the scorch time and curing time were slightly shortened by the use of antioxidant 4010NA/D blend. The tensile modulus at 300% elongation, tensile strength and tear strength of the vulcanizates with antioxidant 4010NA(N)/D blend were slightly higher than those of the vulcanizates with antioxidant D, and similar to the vulcanizates with antioxidant 4010NA. It was found that the long term thermo-oxidative aging resistance of the vulcanizates with antioxidant 4010NA(N)/D blend was better than that with antioxidant 4010NA/D blend and that with only antioxidant D. In addition, the wear resistance of the tread compound with antioxidant 4010NA(N)/D blend or antioxidant 4010NA/D blend was better than that with only antioxidant D.

Key words: antioxidant; tread compound; sidewall compound; thermo-oxidative aging resistance; wear resistance

科迈化工获“天津市重点培育的国际自主品牌”授牌

中图分类号:TQ330.38 文献标志码:D

天津市商务委员会日前召开了“天津市重点培育的国际自主品牌”授牌大会,会上公布了第1批入选企业名单,科迈化工股份有限公司因为在各维度工作中的出色表现,获此殊荣。

多年来,科迈化工坚持“科技为本,迈向未来”的发展理念,肩负使橡胶更具使用价值的使命,做精做强橡胶助剂,打造了国际知名的“科迈”品牌,先后获得“中国橡胶工业百强企业”“中国驰名商

标”“中国橡胶工业协会推荐品牌”等荣誉。

此次“天津市重点培育的国际自主品牌”评选活动是按照天津市出台的《重点培育的国际自主品牌评选办法》进行的,对评选企业的研发创新能力、按照国际标准组织生产、市场销售、境外市场商标注册和保护、国际营销服务体系建设、社会评价等多个维度综合进行了评审,目的是进一步推动天津市国际自主品牌建设工作,培育一批具有较强国际竞争力的国际自主品牌,加快转变外贸发展方式,提高企业国际竞争力,推进天津市由贸易大市向贸易强市的转变。

(本刊编辑部)