

劳性能略好,滚动阻力略低,耐热老化性能略差,耐磨性能介于使用TDAE和RAE的硫化胶之间。总体来说,使用3种增塑剂的硫化胶的强伸性能、耐压缩疲劳性能、抗切割性能和滚动阻力性能相差不大,各项性能满足半钢子午线轮胎胎面胶要求。

因此,中海油增塑剂HJA1824与进口TDAE和RAE在半钢子午线轮胎胎面胶中的应用性能相当,可作为绿色轮胎的优选原材料。

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Application of Environmentally Friendly Rubber Plasticizer in the Tread Compound of Steel-belted Radial Tire

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Abstract: This study compared the domestic environmentally friendly petroleum-based rubber plasticizer HJA1824 with imported environmentally friendly aromatic oil (TDAE) and residual aromatic extract (RAE) in the tread compound of semi-steel radial tire. The experimental testing results showed that the aromatic carbon ratios (C_A) of all three plasticizers were greater than 18%, environmental protection meeting EU requirement. The tread compounds with those three plasticizers showed similar mixing properties and curing characteristics. The dynamic compression fatigue resistance of the tread compound with plasticizer HJA1824 was slightly better, the rolling resistance was a little lower, and the abrasion resistance was between the compounds with TDAE and RAE. It was concluded that plasticizer HJA1824 was a preferable choice in green tire.

Key words: environmentally friendly rubber plasticizer; environmentally friendly aromatic oil; residual aromatic extract; semi-steel radial tire; tread compound

大陆轮胎投资发展自有品牌农业轮胎

中图分类号:TQ336.1;U463.1⁺.6 文献标志码:D

大陆轮胎公司日前宣布投资4 990万欧元扩大农业轮胎业务,即扩大葡萄牙Lousado工厂产能,同时继续扩大其他工厂自主品牌农业轮胎产能。该项投资表明大陆轮胎重新重视农业轮胎业务板块。

大陆轮胎称,由于世界人口增多,农作物需求增长,因此大规模农业轮胎的需求增长,近几年农业轮胎领域发生了巨大变化。Lousado工厂将使用最先进的设备来制造农业子午线轮胎。

大陆轮胎计划为拖拉机和收割机提供完整的

轮胎解决方案,包括生产3 810 mm(150英寸)农业子午线轮胎和农业斜交轮胎。大陆轮胎将在2017年推出自有品牌的马牌农业轮胎,其使用Mitas商标的协议将自然终止。大陆轮胎的马牌农业子午线轮胎将在Lousado工厂生产,而公司的南非伊丽莎白港和马来西亚必打灵查亚工厂早已生产农业斜交轮胎。

大陆轮胎在Lousado工厂投资中有250万欧元用于建立新的研发中心。这一研发中心将会与汉诺威中心的研发部门配合,为农业轮胎的发展提供支持。

(陈维芳 刘 珊)

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