

线主要为普通柏油路面和砂石路面,行驶速度为 $50 \sim 70 \text{ km} \cdot \text{h}^{-1}$,行驶距离 $50 \sim 100 \text{ km}$,所拉货物主要是沙石,载货量大,甚至超大。试验的另一种车型为2拖3自卸货车,车自质量 25 t ,实际载质量 $120 \sim 130 \text{ t}$,所行路线主要是普通路面及一级路面,行驶速度为 $60 \sim 70 \text{ km} \cdot \text{h}^{-1}$,行驶距离 $100 \sim 200 \text{ km}$,所拉货物主要是煤,载货量大,甚至超大。截止到2012年7月底,轮胎退赔22条,退赔率4.4%,且退赔轮胎主要是前4后8自卸货车所装轮胎。而相同试验条件下,生产配方胎面基部胶轮胎退赔率为8%左右。用户反映试验配方胎面基部

胶轮胎质量提高。

3 结论

(1) 与原配方胎面基部胶相比,采用炭黑N326/白黑补强体系和添加热稳定剂HS-80的试验配方胎面基部胶抗硫化返原性能改善,撕裂强度明显提高,硬度和定伸应力增大,可满足全钢子午线轮胎胎面与带束层良好过渡的要求。

(2) 试验配方胎面基部胶因撕裂强度提高,胎面基部胶厚度增大至 6 mm ,成品轮胎机床耐久性能提高,退赔率降低。

Improvement of Tread Base Compound Formulation for All-steel Radial Tire

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Abstract: The formulation of tread base compounds for all-steel radial tire was improved by using carbon black N326/silica instead of N375/N660, and adding heat stabilizer HS-80. The anti-reversion property of the rubber compound was improved, the tear strength was significantly increased, and the hardness and modulus were also increased. By using laminated tread and increasing the thickness of the tread base to 6 mm , the durability of the finished tire was improved and the return rate was reduced.

Keywords: all-steel radial tire; tread; tread base compound; formulation; tear strength; durability

信息·资讯

固特异向福特Fusion车型提供安节轮轮胎

固特异轮胎公司将向福特汽车公司2013款Fusion车型提供其安节轮(Assurance Fuel Max)作为原配轮胎,规格为:215/60R16。与传统轮胎相比,该款轮胎节油4%,行驶里程延长15%。安节轮轮胎采用杜邦凯芙拉(Kevlar)芳纶帘线作骨架材料(该帘线强度比钢帘线大5倍,且质量小),同时采用双层结构胎侧,轮胎的耐久性能优异,轮胎在坑洞路面上行驶时的损伤大大减少,发生危险的几率大大降低。安节轮轮胎胎面

采用独特的三维霸力齿花纹结构,可在最大程度上减小轮胎径向振动的同时提高侧向花纹咬合力,从而提高了轮胎的制动性能和抗湿滑性能。安节轮轮胎胎面花纹采用4个连续的纵向沟槽结构,为轮胎提供了吸、排水空间,进一步提高了轮胎的抗湿滑性能。这款新品轮胎用于中高端家庭用车,可以满足追求性价比的消费者实现最大化节油和安全保护。

尚 轮