

表7 成品轮胎的耐久性能

项 目	第1条	第2条	第3条	第4条
行驶速度/($\text{km} \cdot \text{h}^{-1}$)	70	70	70	70
累计行驶里程/km	7544.5	7793.0	7749.6	7468.6
累计行驶时间/h	107.4	110.4	113.1	106.2
试验结束时轮胎状况	胎冠 损坏	胎冠 损坏	胎冠 损坏	胎冠和胎 侧损坏

4 结语

硫化工艺优化后,全钢载重子午线轮胎的硫化温度和硫化压力不变,硫化时间缩短7 min,成品轮胎胶料物理性能、带束层间粘合强度相当,耐久性提高,累计行驶里程和累计行驶时间可提高9%以上。优化硫化工艺稳定性好,可显著提高生产效率,值得其它全钢载重子午线轮胎生产企业借鉴。

Optimization of TBR Tire Vulcanization Process

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Abstract: In this study, the TBR tire vulcanization process was optimized. In the optimized process, the curing temperature and pressure were kept unchanged, and the curing time was shortened by 7 min. The experimental testing results showed that the physical properties of the tire rubber compounds and adhesion strength between belt layers were similar to those by using old process, but the tire durability was improved, the vulcanization process showed good stability, and the production efficiency was significantly improved.

Keywords: TBR tire; vulcanization process; curing time; bonding strength; durability

信息·资讯

建大轮胎公司推出全天候SUV轮胎新品

台湾建大轮胎美国公司推出一款商品名为Klever S/T的全天候SUV轮胎新产品,它可在泥泞/冰雪路面上使用,保修里程为9.7万km。

该款轮胎2015年6月上市的6种规格为: P265/65R17 110T, P235/65R18 106T, P235/65R17 108V, P235/65R17 108T, P225/65R17 102H和 P235/60R18 107V。速度等级分为T级(190

$\text{km} \cdot \text{h}^{-1}$)、H级(210 $\text{km} \cdot \text{h}^{-1}$)和V级(240 $\text{km} \cdot \text{h}^{-1}$)。公司计划于2016年再推出24种规格。

该款轮胎采用非对称的花纹结构胎面、先进的工艺技术和胎体结构,使用寿命延长,最大限度地提高驾乘舒适性,在雪地和潮湿路面条件下的轮胎各项性能达到均衡。

鲁迪