

表1 轮胎高速性能试验结果

| 试验阶段 | 速度/ ($\text{km} \cdot \text{h}^{-1}$) | 行驶时间/min | 试验阶段 | 速度/ ($\text{km} \cdot \text{h}^{-1}$) | 行驶时间/min |
|------|--|----------|------|--|----------|
| 1 | 90 | 10 | 6 | 130 | 30 |
| 2 | 90 | 10 | 7 | 140 | 30 |
| 3 | 100 | 10 | 8 | 150 | 30 |
| 4 | 110 | 30 | 9 | 160 | 3 |
| 5 | 120 | 30 | | | |

5 结语

本设计7.00R16LT14PR全钢载重子午线轮胎的充气外缘尺寸、强度性能、高速性能均符合相应设计和国家标准要求。产品自投产以来,得到用户的认可,为公司创造了较好的社会效益和经济效益。

Design of 7.00R16LT 14PR Light Truck Radial Tire

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Abstract: This paper introduces a design of 7.00R16LT 14PR light truck radial tire. In the structure design: the following parameters were taken: tire circumference expansion ratio 1.006, expansion ratio of cross sectional width 1.020, width of running surface 154 mm, arc height of running surface 6.15 mm, bead diameter at rim seat 403.2 mm, bead width at rim seat 144 mm, maximum width position of cross section 1.098, four longitudinal tread grooves with horizontal segmentation pattern and siping pattern, pattern depth 11.5 mm, and pattern saturation 71.08%. In the construction design, the following processes were taken: two-formula and two-piece tread for tire crown, 3+9×0.22+0.15 HT steel cord for carcass ply, and 3×0.20+6×0.35HT steel cord for belt ply. It was confirmed by the tests of the finished tire that, the peripheral dimension, strength performance and high speed performance met the requirements of the design and national standard.

Keywords: light truck radial tire; structure design; construction design

信息·资讯

2014年世界天然橡胶产量将达到1210万t

据国际橡胶研究组织(IRSG)最新报告, 2013年世界天然橡胶产量和消费量分别为1170

万t和1130万t。预计2014年世界天然橡胶产量和消费量将分别达到1210万t和1190万t。 阿 枫