

表 1 成品轮胎物理性能试验结果

项 目	实测值	GB/T 1192—2008
胎面胶性能		
邵尔 A 型硬度/度	64	55~70
拉伸强度/MPa	18.5	≥15.5
拉断伸长率/%	445	≥420
阿克隆磨耗量/cm ³	0.37	≤0.4
粘合强度/(kN·m ⁻¹)		
胎体帘布层间	10.9	≥4.8
胎侧-胎体帘布层	12.5	≥4.8

5 结语

20×10.00—10NHS 4PR R-3 无内胎草地园艺轮胎的充气外缘尺寸和物理性能都达到相应设计和国家标准要求,生产工艺稳定,实现了量产,产品外观合格率达到 99.9% 以上,产品经济实用,用户反映轮胎与轮辋配合紧密,轮胎的牵引性能和通过性能良好,取得了良好的经济效益和社会效益。

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Design of 20×10.00—10NHS 4PR R-3 Tubeless Grassland Tire

SONG Guo-xing

[Trelleborg Wheel Systems(Hebei) Co.,Ltd,Xingtai 054019,China]

Abstract: The design of 20×10.00—10NHS 4PR R-3 tubeless grassland tire was described. In the structure design, the following parameters were taken: overall diameter 505 mm, cross-sectional width 249 mm, width of running surface 225 mm, arc height of running surface 9.0 mm, bead diameter at rim seat 250.5 mm, bead width at rim seat 203.2 mm, maximum width position of cross-sectional(H_1/H_2) 0.715 0, pattern depth 8.5 mm, block/total ratio 53.5%, and total number of pitches 34. In the construction design, the following processes were taken: single compound extruded tread, 2 layers of 1400dtex/2V₁ nylon 6 cord for carcass ply, Φ 1 mm 19[#] copperized wire for bead. The tires were built on Φ 335 mm building machine and cured on bladder press. The test results of the finished tires showed that, the inflated peripheral dimension and physical properties met the requirements in design and national standard.

Key words: grassland tire; tubeless tire; structure design; construction design

Tire Rack 对比 4 种全天候轮胎

中图分类号:TQ336.1⁺1;U463.341⁺.6 文献标志码:D

美国《现代轮胎经销商》(www.moderntire-dealer.com)2014 年 8 月 11 日报道:

Tire Rack 公司第 19 届年度轮胎测试季公布的第 3 组试验结果中对比了 4 种旅行全天候轮胎。参加测试的轮胎分别为大陆 TrueContact (标准旅行全天候轮胎, 215/60R16 95T)、费尔斯通 Precision Touring (标准旅行全天候轮胎, P215/60R16 94T)、固特异 Assurance TripleTred All-Season (乘用全天候轮胎, P215/60R16 94T) 以及米其林 Defender (标准旅行全天候轮胎,

215/60R16 95T)。

Tire Rack 表示,结果包括试验中的全部 4 种轮胎,大陆最新标准旅行全天候轮胎——TrueContact 行驶及表现良好,其采用了 EcoPlus 技术,使其在燃料效率以及在干燥和湿滑路面上的牵引性能方面具有竞争优势。

Tire Rack 声称,特意进行该对比试验以显示,对消费者来说选择新标准替换胎比基本轮胎更好,这是由于越来越多的新轮胎设计是为驾驶者提供长的胎面使用寿命、平稳驾驶以及在干燥和湿滑路面、冬季具有良好的牵引性能。

(赵 敏摘译 吴秀兰校)