

和结果如表2所示。从表2可以看出,轮胎的累计行驶时间为97 min,试验结束时轮胎胎冠起鼓,符

合企业标准要求(累计行驶时间不短于75 min)。

表2 成品轮胎高速性能试验条件和结果

试验阶段	试验速度/(km·h ⁻¹)	行驶时间/min
1	58	3
2	115	3
3	173	3
4	230	1
5	230	10
6	240	10
7	250	10
8	260	10
9	270	10
10	280	10
11	290	10
12	300	10
13	310	7

注:充气压力 360 kPa,标准负荷 850 kg。试验结束时轮胎胎冠起鼓。

6 结语

265/35R22 102W XL超高性能半钢子午线轮胎的外缘尺寸、强度性能、耐久性能和高速性能均符合相应国家标准和企业标准要求,达到设计要求。该规格轮胎的研制成功,填补了我公司此类产品的空白,创造了良好的社会 and 经济效益。

参考文献:

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Design on 265/35R22 102W XL Ultra-high Performance Steel-belt Radial Tire

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Abstract: The design on 265/35R22 102W XL ultra-high performance steel-belt radial tire was described. In the structure design, the following parameters were taken: overall diameter 742 mm, cross-sectional width 262 mm, width of running surface 236 mm, arc height of running surface 10.1 mm, bead diameter at rim seat 562.7 mm, bead width at rim seat 259 mm, maximum width position of cross-section (H_1/H_2) 0.91, using asymmetric pattern design, pattern depth 8 mm, block/total ratio 75.2%, and number of pattern pitches 27. In the construction design, the following processes were taken: using double compound extrusion tread, two layers of $1 \times 2 \times 0.30$ ST steel cord for belt, two layers of 1440dtex/2-110 high modulus and low shrinkage polyester cord for carcass, using one-step building machine to build tires, and hydraulic vulcanizing press to cure tires. The test results of finished tire showed that, the inflated peripheral dimension, strength, durability and high speed performance of finished tire met the requirements of corresponding national or enterprise standards.

Key words: ultra-high performance steel-belt radial tire; structure design; construction design

包贴边设备及胶片贴合方法

由软控股份有限公司申请的专利(公开号 CN 110103496A, 公开日期 2019-07-05)“包贴边设备及胶片贴合方法”,涉及的包贴边设备包括机架、胶片供料装置、输送带、贴合装置和包边装置,胶片供料装置、输送带、包边装置和贴合装置

均设置在机架上。包贴边设备还包括帘布定位装置,设置在机架上且位于包边装置的下面,其对经包边装置处理的帘布进行夹紧。本发明有效地解决了包贴边设备易发生帘布跑偏而影响子午线轮胎加工质量的问题。

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