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收稿日期:2021-02-24

Design on 185/55R15 82V SUMMER New Energy Passenger Car Radial Tire

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Abstract: The design on 185/55R15 82V SUMMER new energy passenger car radial tire was described. In the structure design, the following parameters were taken: overall diameter 582 mm, cross-sectional width 199 mm, width of running surface 150 mm, arc height of running surface 8 mm, bead diameter at rim seat 379 mm, bead width at rim seat 165 mm, maximum width position of cross-section (H_1/H_2)

0.935, using four asymmetric longitudinal main groove pattern design, pattern depth 8 mm, number of pattern pitches 68, and block/total ratio 64.4%. In the construction design, the following processes were taken: using solution polymerized styrene butadiene rubber and silica formula for the tread, 2 layers of 3×0.30 HT OC open steel cord for the belt, 1 layer of 930 dtex/2 nylon 66 dipped cord with low shrinkage for the crown belt, and 1 layer 1500 dtex/2 DSP polyester dipped cord for the carcass. The tires were molded by using fully automatic one-step building machines and cured with double mold B type hot plate curing presses. The test results of the finished tire showed that, the inflated peripheral dimension, strength, high speed performance and durability met the requirements of national or international standards, and the noise, wet skid resistance and rolling resistance met the requirements of EU tire labeling regulations.

Key words: new energy passenger car radial tire; structure design; construction design; finished tire performance; EU tire labeling law

赛轮潍坊轮胎有限公司正式投产

2021年6月27日,赛轮潍坊轮胎有限公司年产600万套高性能半钢子午线轮胎及150万套高性能全钢载重子午线轮胎项目在潍坊市诸城经济开发区正式投产。

赛轮潍坊工厂是赛轮集团股份有限公司(简称赛轮集团)依托国家橡胶与轮胎工程技术研究中心产业链协同创新优势打造的又一座数字化、智能化现代工厂。项目将通过原有设备的升级改造,新上自动化、智能化、信息化高端工艺生产线,努力打造成为在制造技术、生产管理、售后服务等方面领先的一流现代化子午线轮胎生产基地。这是赛轮集团在推动行业新旧动能转换中走

出的重要一步,将助力中国橡胶轮胎制造业向智能化、高端化转型升级。

从赛轮潍坊工厂启动到正式投产,只用了短短6个月,创造了行业新速度。该项目投产达效后将更好地满足赛轮集团快速增长的产能需求,对于保障市场供应、满足用户需求具有重要意义。

在“两个一百年”奋斗目标的引领下,赛轮集团作为产业链发展模式的探索者和行业科技创新的引领者,将继续以“做一条好轮胎”为使命,积极落实国家新旧动能转换和高质量发展的要求,坚定不移地向着技术自主化、制造智能化、品牌国际化的战略目标前进。

(本刊编辑部)