

社,2011.

[10] 吴其晔,巫静安. 高分子材料流变学[M]. 北京:高等教育出版社, 2014.

[11] L R G 特雷劳尔. 橡胶弹性物理学[M]. 北京:化学工业出版社, 1982.

收稿日期:2019-11-16

Construction Design of 12R22.5 Truck and Bus Radial Tire Based on Three-dimensional Design Software CATIA

GAO Rongbin, HUANG Zhaohe, YONG Zhanfu

(Qingdao University of Science and Technology, Qingdao 266042, China)

Abstract: The construction design of 12R22.5 truck and bus radial tire based on three-dimensional design software CATIA was introduced. The tread pattern and three-dimensional modeling of tire were established by using CATIA, then the structure and size of semi-finished tire was obtained, and the forming process was designed and controlled. The tire construction design using this method had numerous advantages: reasonable material distribution which was close to actual, accurate size dimension, sound construction design, improved qualification rate of tire and process stability, shortened design cycle, reduced number of trial production, and low development cost.

Key words: truck and bus radial tire; construction design; three-dimensional design software; CATIA; pattern; development cost

飞劲新款Ziex Ze960 A/S轮胎对准 轿跑车和轿车

美国《现代轮胎经销商》(www.moderntiredealer.com)2019年10月9日报道如下。

飞劲轮胎公司的新款高性能全天候Ziex Ze960 A/S轮胎(见图1)有50多种规格,专为轿跑车和轿车而设计。



图1 Ziex Ze960 A/S轮胎

飞劲表示,这些将运动与奢华融为一体的轿跑车和轿车对轮胎的安全性和运动性能提出了需求。

Ziex Ze960 A/S轮胎采用了飞劲的 latest 技术。其中,Flask Siping技术能够使轮胎在磨损时继续排水,并提供强大的耐湿滑性能和出色的湿

制动性能;全新Canyon Groove技术能够增大轮胎雪地牵引力,以保证其平稳、舒适地行驶。

该轮胎还采用了先进的胶料,能够在低温下保持柔韧性,在潮湿、雪地和冰地条件下增大抓着力。在干燥条件下,胶料生热时其化学键仍保持稳定,从而保证轮胎出色的暖天候适应性。

“飞劲最新一代的高性能全天候轮胎旨在适配最新一代的车辆”,飞劲轿车轮胎产品经理 Tsuyoshi Johnson表示,“我们为Ziex Ze960 A/S轮胎的性能感到非常自豪。该轮胎采用了我们最先进的技术,因此相信它将有能力为驾驶者提供动态的全天候可操控性。”

Tsuyoshi Johnson补充说:“Ziex Ze960 A/S轮胎非常适合宝马3和4系、本田雅阁运动系和特斯拉Model 3等流行汽车。”

H和V速度级别的Ziex Ze960 A/S轮胎提供104 607 km(65 000英里)的胎面担保[W速度级别为72 420 km(45 000英里)]。此外,实行飞劲道路危险防护的轮胎在两年内或胎面磨损在2.38 mm(3/32英寸)内发生的任何损坏(以先到者为准)时可以免费更换。

(许亚双摘译 赵敏校)