

- Provided by Concrete Layers Incorporating Cork Granules[J]. Chemical Engineering Science, 2011, 66(18):4157-4171.
- [9] 钱军民, 李旭祥. 橡塑型泡沫吸声材料的研究[J]. 功能高分子学报, 2000, 13(3):309-311.
- [10] 黄勇. 介孔二氧化硅改性硅橡胶及吸声性能研究[D]. 西安: 西安科技大学, 2014.
- [11] Zhao X Y, Xiang P, Tian M, et al. Nitrile Butadiene Rubber/Hindered Phenol Nanocomposites with Improved Strength and High Damping Performance[J]. Polymer, 2007, 48(20):6056-6063.
- 收稿日期: 2018-02-02

## Effects of Foaming Process and Amount of Foaming Agent on Damping and Sound Absorption Performances of Butyl Rubber Foam

OUYANG Wenyi, LIU Song, YAO Chu, CAO Guoguo, YOU Feng, JIANG Xueliang

(Wuhan Institute of Technology, Wuhan 430205, China)

**Abstract:** Effects of vulcanizing time, vulcanizing temperature and amount of foaming agent AC on the damping and sound absorption performances of butyl rubber foam were investigated. The results showed that, the damping property of the foam cured at  $165\text{ }^{\circ}\text{C} \times 30\text{ min}$  was the best and the sound absorption performance of the foam cured at  $160\text{ }^{\circ}\text{C} \times 50\text{ min}$  was the best. With the addition of foaming agent AC, the damping and sound absorption performances of the foam were improved significantly. When the addition amount of foaming agent AC was small, the damping performance of the foam was good. When it was 6 phr, the sound absorption performance of the foam was good.

**Key words:** butyl rubber; foaming process; amount of foaming agent; damping property; sound absorption performance

### 韩泰新Kinergy ST A/S轮胎实行112 654 km (70 000英里)质保

中图分类号: TQ336.1 文献标志码: D

美国《现代轮胎经销商》(www.moderntiredealer.com) 2018年4月3日报道:

韩泰轮胎美国公司推出Kinergy ST(H735)轮胎, 这是一款具有长胎面寿命和平稳驾驶性能的标准全天候旅行轮胎(见图1)。

Kinergy ST轮胎采用韩泰的“Dual-Filler”系统, 确保低滚动阻力以延长胎面寿命, 并提供均衡的干湿操控性能。此外, 优化的胎面花纹块刚度提高了轮胎耐久性和胎面均匀性, 改善了操控性能, 并延长了行驶里程。

韩泰表示, 刚性中央花纹条提供卓越的抓地能力, 赋予轮胎出色的干路面操控和制动性能; 4条周向宽花纹沟提供最大排水量, 从而获得更好的湿地牵引性能; 优化的刀槽花纹设计可提高乘



图1 Kinergy ST(H735)轮胎

坐舒适性并降低路面和通过噪声。

Kinergy ST轮胎实行112 654 km(70 000英里)的质保, 包括道路险情保障和30天免费试用。轮胎的UTQG评级为680/A/A。

该公司将在田纳西州的美国旗舰制造工厂和全球网络中的其他工厂生产Kinergy ST轮胎。

(张 钊摘译 赵 敏校)