

绵好;对于同种海绵,低速度下的降噪效果较好,随着速度的增大,其降噪效果大致呈减弱趋势。

#### 参考文献:

- [1] 刘宗财,刘岩,贾艳宾,等.汽车车内噪声测试与分析[J].噪声与振动控制,2013(10):82-85.
- [2] 李正江,姜张华.轮胎噪音浅析[J].轮胎工业,2012,32(8):451-454.
- [3] 张翠梅,孔永健.轮胎噪音的噪音特性研究[J].城市道桥与防洪,2006(2):100-101.
- [4] 王国林,吴靓璇.三聚氰胺多孔吸声材料属性对轮胎空腔共振噪声的影响[J].橡胶工业,2022,69(6):422-429.
- [5] 赵阳阳,李俊鹏,张芳.车轮轮胎力传递率试验和计算方法研究[J].上海汽车,2015(12):24-28.
- [6] 周海超,夏琦,王国林,等.轮胎空腔共振噪声与力传递率关系的试验研究[J].汽车工程,2021,43(3):429-436.
- [7] 官声欣,周涛,丁俊杰.轮胎力传递率试验影响因素的研究[J].橡胶科技,2023,21(2):94-97.

收稿日期:2023-06-18

## Difference in Force Transfer Rate Curves of Different Sponge Tires and Their Impact on Vehicle Interior Noise

JIA Jinyi, ZHANG Ruhua, LI Ning

(Triangle Tire Co., Ltd, Weihai 264200, China)

**Abstract:** By comparing the sound absorption coefficients of polyester polyurethane sponge and polyether polyurethane sponge through experiments, the difference in force transfer rate curves between sponge tires and regular tires, as well as the impact of different tires on vehicle interior noise, were studied. The results showed that the sound absorption coefficient of polyester polyurethane sponge was greater than that of polyether polyurethane sponge. The influence of sponges made of different materials on the tire force transfer rate curve was not significant, but the noise reduction effect varied significantly, and the polyester polyurethane sponges had better noise reduction effect than that of polyether polyurethane sponges. For the same type of sponge, the noise reduction effect was better at low speed, and as the speed increased, the noise reduction effect roughly became less significant.

**Key words:** sponge tire; sound absorption coefficient; force transfer test; vehicle interior noise

### 培育高值品牌助力轮胎“突围”和“增绿”

日前,在江苏徐州举办的2023年度中国强制性产品认证(CCC认证)轮胎产品获证企业工作会议上获悉,当前轮胎行业产品同质化竞争激烈,企业要通过绿色认证、标准引领等方式来培育高值品牌,不断提高产品品质,以实现高质量发展。目前,轮胎企业主要面临“突围”和“增绿”双重挑战。一方面,受产品同质化竞争激烈影响,轮胎企业对产品定价的话语权减弱;另一方面,已有相关国际机构将汽车碳排放量的核查范围覆盖到轮胎的碳足迹,使轮胎企业的环保压力陡增。

国家市场监管总局认证监督管理委员会关钧文提到,CCC认证是具有市场准入性质的合格评定制度,具有严保安全、健康、环保底线的重要作用。

中国石油和化学工业联合会质量安全环保部副主任杨建海指出,标准决定质量,谁制定标准,谁就拥有话语权,谁掌握标准,谁就占据制高点。中国石油和化学工业联合会质量安全环保部丁士育处长指出,当前品牌建设比以往任何时候都要重要。高值品牌不仅能提高产品或服务的附加值、差异化和忠诚度,还能实现溢价以及提升市场份额。北京中化联合认证有限公司副总经理王鑫表示,该公司将着重从质量管理能力评价和产品全生命周期质量管理等方面助力企业提升产品质量;从标准体系建设与制修订、培育标准创新型企

(摘自《中国化工报》,2023-07-30)