

表1 成品轮胎性能

项 目	测试值	达到标准	项 目	测试值	达到标准
充气轮胎外缘尺寸			高速性能试验		
外直径/mm	630.0	国家标准	最高速度下行驶时间 <sup>1)</sup> /min	1	内控标准
断面宽/mm	210.2	国家标准	耐久性能/高速性能试验		
静负荷试验			最高速度下行驶时间 <sup>2)</sup> /min	8	内控标准
下沉量/mm	27.0		强度性能试验		
断面宽/mm	222.3		破坏能/J	597.5	内控标准
接地因数	1.17		脱圈阻力/N	17276	内控标准

注：1) 最高速度260 km·h<sup>-1</sup>；2) 最高速度210 km·h<sup>-1</sup>。

205/55R16 L103环保型乘用车子午线轮胎高速性能、耐久性能、强度性能达到设计要求，滚动阻力指数和湿抓着性能指数达到欧盟标签法B级水平，噪声70 dB，产品性能处于国内领先水平。


Design of 205/55R16 L103 Environmentally-friendly PCR Tire

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**Abstract:** The design of 205/55R16 L103 environmentally-friendly PCR tire was described. In the design, the area of tread block was reduced, the tire ground contact shape and contact pressure distribution were optimized, noise reduction design was applied in the tread, the crown ply was produced by winding process, polyester cords were applied in the carcass ply, the rigidity of the belt layer was increased, the tread compound with low rolling resistance and high wet skid resistance were selected, and the compounding process was continuous low-temperature mixing process. The high speed performance and durability of the finished tire met the design requirements, the rolling resistance and wet skid resistance were rated B in the EU tire labeling regulation, and the rolling noise was 70 dB.

**Keywords:** PCR tire; environmentally-friendly tire; structure design; construction design



信息·资讯

### 韩城黑猫导电炭黑投放市场试用

韩城黑猫炭黑股份有限公司成功研发新产品——HM3810导电炭黑，并已生产300 t样品供客户试用。HM3810炭黑是一种高吸油值、低吸碘值的品种，其水洗筛余物含量和灰分含量很低，主要应用于电缆的内外屏蔽层胶料中。公司对设备进行了改造，严格控制工艺管理，每小时进行一次水洗筛余物检测，严密监测产品数据，确保产品品质。

郭 信