

轮胎在批量生产过程中工艺稳定、外观缺陷少,投入市场后为公司创造了较好的社会 and 经济效益。

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## Design of 4.50-12 10PR Forklift Truck Tire

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**Abstract:** In this paper, the design of 4.50-12 10PR forklift truck tire was described. In the structure design, the following parameters were taken: cross-sectional width 116 mm, overall diameter 546 mm, width of running surface 104 mm, height of running surface 5.5 mm, maximum width position of cross section ( $H_1/H_2$ ) 0.8615, bead diameter 304 mm, bead width 76 mm, and tread pattern depth 11 mm. In the construction design, single piece tread with one formula was applied, 4 layers of 1680V<sub>1</sub> nylon cord were used in the carcass ply, crown cord angle was set at  $(54 \pm 0.5)^\circ$ , the carcass safety factor was 12, single steel bead wire was adopted with arrangement of 5×5, and the bead safety factor was 7. The tire was built on semi-drum type building machine while the carcass ply and tread were molded using tube molding process. The testing results showed that the inflated peripheral dimension and physical properties of the finished tire, and the crown cord angle met the design requirements.

**Keywords:** forklift truck tire; structure design; construction design

### 信息·资讯

## 内蒙古赤峰计划建设万吨级炭黑回收项目

内蒙古巴林右旗蒙泰创导橡胶制品再生资源公司计划投资2500万元建设废轮胎回收利用项目。该项目计划建设8条热裂解炭黑生产线和2条胶粉生产线,年产1万t炭黑、5000 t胶粉、6300 t油料和2500 t钢丝。项目占地2.47万m<sup>2</sup>,建筑面积约6660 m<sup>2</sup>。

目前该项目发布环境影响评价第2次信息公示。赤峰市环境保护局认为,该项目采取一些必要的环保措施之后,对环境的影响达到可接受的水平。从环保角度而言,该项目建设是可行的。

鲁迪