

表1 成品轮胎物理性能测试结果

项 目	实测值	GB/T 2981—2014	项 目	实测值	GB/T 2981—2014
胎面胶性能			粘合强度/($\text{kN} \cdot \text{m}^{-1}$)		
邵尔A型硬度/度	63	55~75	胎面-缓冲层	9.4	≥ 8.0
拉伸强度/MPa	16.5	≥ 14.0	缓冲层-胎体	8.6	≥ 7.0
拉伸伸长率/%	550	≥ 380	胎体帘布层间	6.5	≥ 5.5
阿克隆磨耗量/ cm^3	0.27	≤ 0.40	胎侧-胎体	7.6	≥ 5.5

5 结语

7.00—15 12PR工业车辆轮胎试制成功,成品外观质量良好,充气外缘尺寸和物理性能分别符

合客户和国家标准要求,轮胎批量生产时生产工艺稳定。产品投入市场后,受到了用户的一致好评,为企业创造了良好的经济效益和社会效益。

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Design on 7.00—15 12PR Industrial Vehicle Tire

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Abstract: The design on 7.00—15 12PR industrial vehicle tire was described. In the structure design, the following parameters were taken: overall diameter 744 mm, cross-sectional width 172 mm, width of running surface 150 mm, arc height of running surface 10 mm, bead diameter at rim seat 386 mm, bead width at rim seat 140 mm, maximum width position of cross-section (H_1/H_2) 0.808, SD6000 tread pattern, pattern depth 14 mm, block/total ratio 72%, and number of pattern pitches 28. In the construction design, the following processes were taken: three-formula and four-piece structure for tread, 4 layers of high strength 2100dtex/2V₁ and 2 layers of high strength 2100dtex/2V₂ dipped nylon 6 cord for carcass, 2 layers of 1400dtex/2 dipped nylon 6 cord for breaker ply; using automatic turn-up bladder building machine to build tire and four pillar curing press to cure tire. It was confirmed by the finished tire test that, the inflated peripheral dimension met the requirements of customers, and the physical properties met the requirements of the national standard.

Key words: industrial vehicle tire; structure design; construction design

马来西亚2019年1月生胶产量增三成

马来西亚统计局近日公布的数据显示,2019年1月,马来西亚生胶产量达7.46万t,环比和同比均增长35.6%。与此同时,胶乳浓缩液的平均价格为每千克3.93林吉特,环比上涨4.3%。汽车轮胎等使用的马来西亚标准胶SMR20价格为每千克5.48林吉特,环比上涨5.8%。

数据显示,2019年1月,马来西亚生胶出口量为4.98万t,环比增长3.3%,同比增长6.1%。出口量中中国占比39.4%,居首位,其次分别为德国16.3%,伊朗5.9%,芬兰4.9%,美国4.5%。国内消费量为4.34万t,环比增长3.9%,同比减小1.8%。其中,74.5%用于生产橡胶手套。生胶库存量为

19.91万t,环比上升14.4%,同比减小22.4%。

(摘自《中国化工报》,2019-03-21)

一种轮胎自补液

由厦门市同安恒利达实业有限公司申请的专利(公开号 CN 108977128A,公开日期 2018-12-11)“一种轮胎自补液”,涉及的轮胎自补液配方为:聚乙烯醇水溶液 100,白乳胶 4~8,橡胶颗粒 1~4,尼龙纤维 1~4,防冻剂 15~25,防霉剂 0.1~0.6,氧化石墨烯水溶液 3~6。本发明不腐蚀轮辋,防冻性能好,粘合强度大,自补速度快,自补效果好,还可防霉变。

(本刊编辑部 马 晓)