

表1 成品轮胎胎面胶物理性能测试结果		
项 目	实测值	国家标准要求
拉伸强度/MPa	19. 8	≥15
拉伸伸长率/%	550	≥450
阿克隆磨耗量/cm ³	0. 24	≤0. 4

的充气外缘尺寸和胎面胶强度性能和耐磨性能均达到设计和相应国家标准要求。该产品投放巴西市场后表现优异,获得用户好评。

参考文献:

[1] 毛建清. 24. 00R35全钢工程机械子午线轮胎的设计[J]. 橡胶工业, 2017,64(8):481-484.

[2] 焦世新,王柱庆,袁燕. 16. 00—25 36PR工程机械轮胎的设计[J]. 橡胶科技,2019,17(7):395-397.

[3] 许丽玲,邱毅. 7. 50—16 8PR林业轮胎的设计[J]. 轮胎工业,2018, 38(9):538-540.

收稿日期:2019-12-24

Design on 30. 5L—32 ALS28 Forest Tire Using Steel Cord Breaker Ply

ZHANG Yahui, WANG Jie, SHEN Yude

(Aeolus Tyre Co. ,Ltd, Jiaozuo 463000, China)

Abstract: The design on 30.5L — 32 ALS28 forest tire with steel cord breaker ply was described. In the structure design, the following parameters were taken: overall diameter 1 845 mm, cross-sectional width 750 mm, width of running surface 758 mm, arc height of running surface 90 mm, bead diameter at rim seat 812 mm, bead width at rim seat 685 mm, maximum width position of cross-section (H_1/H_2) 0. 702, using chevron pattern, pattern depth 32 mm, block/total ratio 32%, and number of pattern pitches 16. In the construction design, the following processes were taken: winding molded tread, 10 layers of dipped 1400dtex/3V₁ nylon 66 cord for carcass, 4 layers of 3×0.20+6×0.35HT steel cord for breaker ply, using flat-core tire building machine to build tire, and bladder curing press to cure tire. It was confirmed by the finished tire test that, the inflated peripheral dimension of tire, strength and wear resistance of tread compound met the requirements of the design and relative national standards.

Key words: forest tire; steel cord breaker ply; structure design; construction design; wear resistance

天然橡胶价格击穿万元底线

近期,国内天然橡胶(NR)市场吨价在万元线上震荡数日后终于击穿底部跌至线下。2020年3月26日,NR现货市场参考价为9 550元(吨价,下同),比1月中旬直降2 830元,跌幅达22%。

全球宏观形势严峻,业内恐慌情绪蔓延。目前,新冠肺炎疫情在世界范围内暴发,重创全球金融市场。虽然主要经济体纷纷采取量化宽松措施,但短期内难以缓解。NR行业是国民经济的基础产业,需求广泛,与宏观经济密切相关。全球经济承压下行必将导致NR需求量下滑,拖累市场走势。

国际油价持续大跌,抑制NR需求。2020年以来,受疫情影响,国际油价持续走低。受油价下跌影响,合成橡胶原料丁二烯价格也大幅跳水,由此导致合成橡胶成本重心下移,市场价格集体大幅

下行。这种情况促使轮胎企业加大合成橡胶消费力度,抢占了部分NR市场份额,使本已低迷的NR市场“雪上加霜”。

供需基本面失衡,NR库存高企。据天然橡胶生产国协会预计:2020年NR产量同比增长2. 7%,达1 417万t;消费量同比增长1. 2%,达1 382万t;整体供应过剩量将达35万t。需求方面,在全球疫情蔓延的背景下,国内外汽车产销量断崖式下跌,欧美地区多家汽车企业和轮胎工厂停工。供需矛盾恶化导致NR库存急速增长。

综合来看,虽然国内疫情得到了控制,下游轮胎企业生产基本恢复到正常水平,但多以交付前期订单为主,新订单情况欠佳,叠加全球疫情对出口的影响,近期NR市场走势不容乐观。

(摘自《中国化工报》,2020-03-31)