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Application of $3 \times 0.20 + 6 \times 0.35$ HT Steel Cord in Belt of Truck and Bus Radial Tire

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Abstract: The application of $3 \times 0.20 + 6 \times 0.35$ HT steel cord in the belt of truck and bus radial tire was studied. The results showed that, compared with $4 + 3 \times 0.35$ ST steel cord, the structure of $3 \times 0.20 + 6 \times 0.35$ HT steel cord made it easier for rubber to penetrate and reduced the friction between monofilaments, and the small diameter and linear density were beneficial to tire lightweight. The inflated peripheral dimension, durability and high speed performance of the finished tire made by using $3 \times 0.20 + 6 \times 0.35$ HT steel cord met the requirements of corresponding national standards.

Key words: truck and bus radial tire; steel cord; rubber penetration performance; belt; lightweight; durability

巴陵石化绿色橡胶产品出口汉堡

中石化巴陵石化公司(简称巴陵石化)与中石化化工销售华中分公司密切协作,首柜巴陵石化橡胶部生产的热塑橡胶SEBS产品从长沙启程,搭乘中欧班列出口欧洲市场。据悉,这是巴陵石化绿色环保热塑橡胶产品首次通过铁路运输方式出口,丰富了出口物流渠道,提高了出口效率,有助于开拓海外市场。

巴陵石化橡胶部此次出口的SEBS抵达德国汉堡的运输时间较传统海运时间可缩短30~40 d。巴陵石化橡胶部经理邢立江介绍:“2020年以来,受新冠肺炎疫情等因素影响,港口持续拥堵导致出口产品经常性滞留,加之海运途中不确定因素增多,严重影响产品到货效率和客户体验,开辟新的出口物流渠道迫在眉睫。”针对此次产品出口运输渠道由海运改为陆运的情况,巴陵石化橡胶部一方

面与中石化化工销售华中分公司联合,加强与客户的协商沟通,消除客户对物流方式改变的顾虑;另一方面在生产环节高效率、高质量做好产品打托(盘)缠(薄)膜等工作,确保产品打托整形到位、及时装柜,为顺利搭上中欧班列夯实基础。

巴陵石化是国内率先采用自主创新技术实现SEBS工业化生产的企业,目前SEBS年产能达10万t,共有4条生产线,可生产10多个品种(牌号)产品。作为一种基础热塑橡胶材料,SEBS具有耐老化、安全无毒、绿色环保等特点,主要用于药物包装、医疗输液器具、大跨度润滑油、食品包装、电线电缆、密封材料、塑料改性、高等级沥青改性及与人体接触的弹性材料等领域。2021年前5个月,巴陵石化橡胶部SEBS同比增产22.6%,5月产量创历史新高,前阶段出口近5 000 t。

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