

(4) 提高产品质量,在满足国内需求的同时,积极扩大出口,缓解国内生产能力过剩的矛盾。

#### 参考文献:

- [1] 赵姜维,张杰,李传清,等. 稀土异戊橡胶在全钢载重子午线轮胎胎面中的应用[J]. 轮胎工业,2015,35(2):93-96.
- [2] 石太平,王坤,王晓雷. 异戊橡胶在全钢载重子午线轮胎过渡层中的应用[J]. 轮胎工业,2018,38(2):91-93.
- [3] 牛忠福,辛欣,郎秀瑞,等. 高性能轮胎用聚异戊二烯橡胶的研究进展[J]. 轮胎工业,2018,38(9):520-527.
- [4] Dykman A S,文丽. 天然橡胶及其替代品(聚异戊二烯橡胶)的生产前景[J]. 轮胎工业,2013,33(3):140-145.
- [5] 李玉芳,伍小明. 聚异戊二烯橡胶市场分析[J]. 化学工业,2014,32(12):22-25.
- [6] 李玉芳,伍小明. 我国聚异戊二烯橡胶生产技术进展及市场分析[J]. 上海化工,2015,40(1):27-32.

收稿日期:2018-10-08

## Analysis of Global and Domestic Polyisoprene Rubber Markets

CUI Xiaoming

(Yanshan Branch, SINOPEC Beijing Research Institute of Chemical Industry, Beijing 102500, China)

**Abstract:** The present situation and development prospects of the global and domestic markets of polyisoprene rubber (IR) were analyzed. In 2017, the global total annual production capacity of IR was 1.01 million tons and the total consumption was 0.621 million tons. The demand for IR in the global market was expected to grow at an average annual growth rate of 2.7% during the period 2017—2022 and reach to 0.71 million tons by 2022. In 2017, the domestic total annual production capacity of IR was 0.29 million tons, the apparent consumption was 0.10 million tons, and the self-sufficiency rate of products was 58%. It was estimated that domestic demand for IR will reach to 0.15 million tons by 2022, and the self-sufficiency rate of products will reach to 65%~70%. The development of global IR industry will continue to slow down, the production capacity will not increase significantly, the downstream consumption will continue to be dominated by tires, and medical applications will be the main driving force for the growth of demand for IR. At present, the operating rate of domestic IR plants was low. The homogenization phenomenon of domestic IR products was more serious, resulting in insufficient market competitiveness, and high-end products were still dependent on imports. Domestic IR enterprises should speed up research on new products, new technologies and application technologies, improve product quality, and actively explore export markets while meeting domestic demand.

**Key words:** polyisoprene rubber; market analysis; production capacity; consumption; import and export

### 轮胎用RFID标签国际标准将于2019年发布

中图分类号:TQ336.1 文献标志码:D

据《欧洲橡胶杂志》最新消息,米其林集团的皮埃尔·卢瓦雷(Pierre Loiret)表示,轮胎用射频识别(RFID)电子标签(简称RFID标签)的通用ISO标准预计于2019年年底发布。

卢瓦雷是ISO TC31 WG10(国际标准化组织/轮胎、轮辋及气门嘴技术委员会/轮胎用RFID电子标签工作组)的联合召集人。该工作组的任务是起草轮胎用RFID电子标签4项国际标准。来自奥地利、比利时、中国、芬兰、法国、德国、意大利、日

本、荷兰、韩国、泰国、英国和美国的60余位轮胎行业专家正在向该工作组提供意见。

卢瓦雷表示,4份标准文本中有两份标准文本即CD 20911《RFID轮胎标签嵌入方法》和CD 20912《RFID测试方法》的工作出现了延误。在CD(委员会草案)阶段,对这两份文本开展了更多的讨论,2018年10月进行CD投票,2018年年底进行正面投票。预计在2019年上半年发布ISO 20909《RFID轮胎标签》和ISO 20910《RFID轮胎标签编码》,在2019年下半年发布ISO 20911和20912。

(朱永康)