

改进后胶料的流动性好,有利于压延,压延半成品的尺寸稳定性好。

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## Improvement of Mixing Process of Carcass Compound of OTR Tire

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**Abstract:** The mixing process of carcass compound of OTR tire was optimized and its influence on the properties of the compound was studied. In the optimized process, carbon black was added in two stages, and the antioxidant and peptizer were added separately. The mixing efficiency was then improved and peptizer was effectively protected. The experimental testing results showed that after optimization the Mooney viscosity of the compound was reduced, curing characteristic didn't change, the hardness, tensile modulus, tensile strength and tear strength of the vulcanizates were also kept unchanged, but the H pull-out force and tackiness of the compound increased significantly, the flowability was better, and the dimensional stability of the calendered semi-finished products was improved.

**Keywords:** OTR tire; carcass; mixing process; H pull-out force; tackiness

### 信息·资讯

## 米其林与印尼Chandra Asri公司合资建设合成橡胶装置

米其林与印度尼西亚Chandra Asri公司在印度尼西亚Cilegon合资建设合成橡胶装置。项目投资约为4.35亿美元,溶聚丁苯橡胶和钕系聚丁二烯橡胶生产装置总年生产能力为12万t。项目将于2016年初开始建设,预计2018年建成。初期生产的合成橡胶产品主要出口泰国和中国,产量增大后也将供应印度尼西亚市场。

该项目将由PT合成橡胶印度尼西亚公司运

作。PT合成橡胶印度尼西亚公司是合资企业,其中米其林持有55%股份,Chandra Asri公司的全资子公司PT Styrimdo Mono印度尼西亚公司持有45%股份。米其林负责工艺技术,主要原料丁二烯将由Chandra Asri公司的另一个子公司PT Petrokimia丁二烯印度尼西亚公司提供。印度尼西亚IKPT公司负责设计、采购和施工。

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