



(a) MF1配方

(b) MF2配方

图1 密封圈外观

3 结论

国产内脱模剂TMV在AEM胶料中的应用研

究结果如下。

(1) 国产内脱模剂TMV胶料和进口内脱模剂VAM胶料的混炼工艺性能良好,胶料无粘辊现象。

(2) 两种内脱模剂胶料的硫化工艺性能良好,硫化胶片和密封圈外表光滑、无缺陷。

(3) 两种内脱模剂硫化胶的物理性能和耐热老化性能无明显差异。

综合得出,在AEM胶料中国产内脱模剂TMV可以替代进口内脱模剂VAM使用,而国产内脱模剂TMV价格较低,可以有效降低胶料成本。

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Application of Domestic Internal Mold Release Agent TMV in Ethylene-Acrylate Rubber

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Abstract: In this work, the application of domestic internal mold release agent TMV (mainly α -octadecyl- ω -hydroxy polyoxyethylene phosphate) in ethylene-acrylate rubber (AEM) was studied and compared with imported internal mold release agent VAM. The results showed that the processing properties and vulcanization properties of the compounds containing TMV and VAM were good, and the vulcanized sheet and vulcanized sealing ring had smooth surface and did not have any defect. The physical properties and heat aging resistance of the compounds with these two kinds of internal mold release agents showed no significant difference. It was demonstrated that the domestic internal mold release agent TMV could replace the imported internal mold release agent VAM in the AEM compound, and it effectively reduced the cost of the compound.

Key words: internal mold release agent; ethylene-acrylate rubber; sealing ring; processing property; physical properties

索尔维发布高分散性白炭黑新品

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在德国汉诺威举行的2017年国际轮胎设计及技术博览会上,索尔维集团白炭黑事业部的功能型高分散性白炭黑(HDS)新品Premium SW正式亮相。这种创新材料能为汽车工业带来突破性的贡献,可大幅提高轮胎性能。

Premium SW白炭黑用于超高性能轮胎,可使轮胎滚动阻力降低25%以上,并且轮胎的耐磨性能不变,安全性大幅提高;用于节能型乘用车轮胎,

可使轮胎的耐久性能提高15%;用于卡车轮胎,在改善轮胎性能方面也比炭黑具有优势。

索尔维集团白炭黑全球事业部称,Premium SW白炭黑生产技术是公司白炭黑生产技术的成功突破,该产品彰显了公司积极帮助客户提高轮胎性能的承诺。轮胎生产商一直致力于实现轮胎滚动阻力小、耐久性能和湿抓着力好的平衡,而Premium SW白炭黑则可赋予轮胎该特点,并且解决了轮胎安全性问题。

(艾迪)