

### 3 结论

(1) 促进剂DGP用量一定(3份),随着硫化剂HMDC用量增大,混炼胶的 $t_{10}$ 和 $t_{90}$ 延长;硫化胶的交联密度和拉伸强度增大,耐热空气老化性能提高,耐低温性能降低。

(2) 硫化剂HMDC用量一定(1份),随着促进剂DPG用量增大,混炼胶的 $t_{10}$ 变化不大, $t_{90}$ 缩短,硫化胶的交联密度减小,拉断伸长率和撕裂强度增大,耐热空气老化性能降低,耐低温性能提高。

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## Influence of Curing Agent HMDC and Accelerator DPG on the Properties of Ethylene Acrylate Rubber Compound

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**Abstract:** In this study, curing agent HMDC and accelerator DPG were applied in ethylene-acrylate rubber (AEM) and the properties of the compound were investigated. The results showed that with 3 phr accelerator DGP amount, when the curing agent HMDC amount increased, the curing rate decreased, the crosslink density and tensile strength of the vulcanized rubber increased, hot air aging resistance was improved and low temperature resistance was reduced. When the curing agent HMDC amount was fixed at 1 phr and the accelerator DPG amount increased, the curing rate increased, the crosslink density of the vulcanized rubber was reduced, elongation at break and tear strength increased, hot air aging resistance was reduced and low temperature resistance was improved.

**Key words:** curing agent HMDC; accelerator DPG; ethylene-acrylate rubber; curing characteristics; hot air aging properties; low temperature performance

### 固特异将在泰国工厂生产航空子午线轮胎

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固特异公司计划在其泰国巴吞他尼府的轿车轮胎/载重轮胎工厂新增航空子午线轮胎产能,总投资将达到1.62亿美元。项目将分3期进行,第1期工程预计于2018年开始运营。公司未透露航空轮胎新增产能的具体细节。

固特异泰国巴吞他尼府工厂建于1969年,主要生产轿车轮胎、轻型/中型载重轮胎及航空斜交

轮胎。

固特异表示,世界民航机队规模持续增大,未来20年有望在现有基础上翻一番,而亚太地区民航机队发展最快。由于航空子午线轮胎质量较小,更适合于飞机降落,新型商用飞机纷纷采用航空子午线轮胎作为标准配置,因此航空子午线轮胎的需求将持续增长。作为世界航空轮胎领军企业,固特异通过泰国工厂扩能项目把握住航空子午线轮胎需求增长的大好机会。

(清风)