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收稿日期 1999-02-16

## Study on Dynamically Vulcanized Fluoro Rubber/EPDM Blends

Zhou Tongjie, Zhang Xiangfu and Zhang Yong

(Shanghai Jiaotong University 200240)

**Abstract** The influence of the dynamic vulcanizing conditions and blending ratio on the tensile strength, hot oil resistance and compression stress relaxation of the fluoro rubber/EPDM blends was investigated. The results showed that the interference of two curing systems in the static vulcanization of fluoro rubber/EPDM blend was eliminated by using dynamic vulcanization; the tensile strength of the statically vulcanized blend was only about 2 MPa, while that of the dynamically vulcanized blend could reach over 10 MPa; the vulcanizing conditions had little influence on the physical properties of blends; and the hot air and hot oil aging properties of blends decreased as the EPDM proportion in the blends increased.

**Keywords** fluoro rubber, EPDM, dynamic vulcanization, blend

## 西北橡塑院隔震支座投入使用

由西北橡胶塑料研究设计院研制生产的 400 型隔震支座, 日前通过验收。

该院与西安建筑科技大学和咸阳市抗震办公室组成“橡胶隔震技术应用研究”课题组, 承担胶料和生产工艺研究。他们先后开发出 80, 200, 250 和 400 等系列橡胶隔震支座。经力学、物理化学性能测试, 达到设计要求。

该产品在建筑过程中采用混凝土浇注的上下预埋件与建筑物成为一体, 上下预埋件之间的柔性橡胶支座承担建筑的水平变形, 缓冲地震加速度, 从而达到避免或减轻地震危害的目的。

(摘自《中国化工报》, 1999-06-02)

## 国内简讯 3 则

△由中南橡胶集团有限责任公司开发的

PVG 整芯难燃输送带, 日前通过有关部门组织的专家鉴定, 其质量完全符合国际标准。专家认为, PVG 整芯难燃输送带具有整体强力高、阻燃性好、带体轻、安全可靠等优点, 是 PVC 难燃输送带的换代产品, 可长跨距、大运载量、大提升角地输送煤炭。

△由青岛化工学院承担的改性炭黑与应用技术, 日前通过有关部门组织的验收。新研究的改性炭黑在工厂测试表明, 在不改变原配方胶料物理性能的基础上, 可较好地提高橡胶与骨架材料的粘合强度, 而且具备良好的导电性能。

△柳州橡胶厂的尼龙系列强力型输送带、涤棉外销传动带、全聚酯 V 带、85 型聚酯布夹布胶管项目已经被列入广西首批技术创新计划。

(以上摘自《中国化工报》)