

工性能、物理性能、阻燃性能变化不大,热稳定性显著提高,燃烧前期抑烟效果较好。粉煤灰基阻燃剂可以替代或部分替代硼酸锌、季戊四醇和聚磷酸铵用于NBR/CPE阻燃输送带胶料中。

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## Application of Fly Ash Based Flame Retardant in Compound of Conveyor Belt

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**Abstract:** The application of fly ash based flame retardant in compound of conveyor belt was investigated. The fly ash based flame retardant was used to replace conventional flame retardants, for example, zinc borate, pentaerythritol, ammonium polyphosphate and tricresyl phosphate, in NBR/chlorinated polyethylene (CM) blends. The results showed that fly ash based flame retardant could replace or partially replace zinc borate, pentaerythritol and ammonium polyphosphate. The processing properties of compound, the physical properties and flame retardant properties of the vulcanizates were kept unchanged, and the thermal stability and smoke suppression in early combustion stage were improved.

**Keywords:** fly ash based flame retardant; flame retardant conveyor belt; NBR; chlorinated polyethylene; flame retardant property; thermal stability

### 信息·资讯

## 住友高性能轮胎将装配新款克莱斯勒轿车

日本住友橡胶工业公司商品名为Falken ZIEX ZE914 Ecorun的高性能轮胎将用作新款克莱斯勒200轿车的配套轮胎。这款新型轮胎具有卓

越的燃油经济性、稳定的转向性能和优异的胎面耐磨性能,为克莱斯勒轿车带来全新驾驶体验。

鲁迪