



图9 胎侧胶添加芳纶短纤维的轮胎使用1个月后外观
应力和撕裂强度有一定程度提高。

(2) 芳纶短纤维可以改善胎侧胶的抗刺扎性能与抗切割性能, 胎侧胶添加芳纶短纤维的矿山轮



图10 胎侧胶未加芳纶短纤维的轮胎使用1个月后外观
胎使用寿命延长。

(3) 芳纶短纤维在轮胎胎侧胶中的适合量为3~4份。

Application of Short Aramid Fiber in Tires

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Abstract: The influence of aramid fiber on the properties of natural rubber (NR) was investigated, and application of aramid fiber in tire to improve tire performance was discussed. The results showed that with aramid fiber the modulus at 300% elongation and tear strength of NR compound increased. It was recommended to add 3~4 phr of short aramid fiber in the sidewall compound to improve the puncture resistance and cut resistance. The service life of the mining tire with short aramid fiber reinforced sidewall was extended.

Keywords: aramid fibers; tires; sidewall; natural rubber; puncture resistance; cut resistance

信息·资讯

泰凯英荷泽新厂全面投产

泰凯英轮胎公司宣布, 公司在山东菏泽新建的乘用车轮胎工厂已经结束试生产, 开始满负荷生产, 第1批乘用车轮胎和轻型卡车子午线

轮胎已经下线。该厂的轮胎年产能力为1000万条, 主要面向国内轮胎市场, 产品还包括电动汽车和小型货车的专用轮胎。 鲁迪