

能最好。

3 结论

将餐饮用地沟油简单处理后可用作橡胶工业的增塑剂,该增塑剂原料易得、成本低廉、性能良好,必将具有广阔的市场前景。

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Influence of Waste Food Oil on the Properties of Natural Rubber

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Abstract: The waste food oil was modified and applied in natural rubber (NR) as a plasticizer. The influence of waste oil on the properties of NR was investigated, and compared with soybean oil, Coumarone resin and regular oil. The plasticizing effect of waste oil was better than that of coumarone and regular oil, and was very close to soybean oil. Its plasticizing mechanism was in line with the reactivity plasticizing mechanism. The physical properties of waste oil filled NR was similar as soybean oil filled NR. Compared with Coumarone resin and regular oil, the hardness of NR filled with waste oil was lower, the tensile strength and elongation at break are higher, and the abrasion loss was smaller. The experimental results showed that the optimized addition level of waste oil was 4 phr.

Keywords: waste oil; soybean oil; coumarone resin; oil; plasticizer; natural rubber

信息·资讯

倍耐力与沃瑟利斯合作 开展银菊橡胶在轮胎中的应用研究

日前,意大利倍耐力公司与意大利沃瑟利斯(Versalis)公司签订了一份谅解备忘录,联合开展银菊橡胶在轮胎中的应用研究。项目合作期为3年,由沃瑟利斯提供创新的银菊橡胶,倍耐力将对用这种橡胶生产的轮胎进行性能测试。银菊橡胶性能一旦达到工业化生产的要求,沃瑟利斯将向倍耐力供货。沃瑟利斯曾与美国Yulex公司共同在

南欧地区建设了1家银菊橡胶工业化生产企业,从事银胶菊的种植、胶乳加工和银菊橡胶生产。

银胶菊是一种可再生的非食用作物,其生长期用水量小,无需用农药,而且银菊胶乳不会引起皮肤过敏,是可替代三叶橡胶树橡胶的新型植物资源。

国 艺