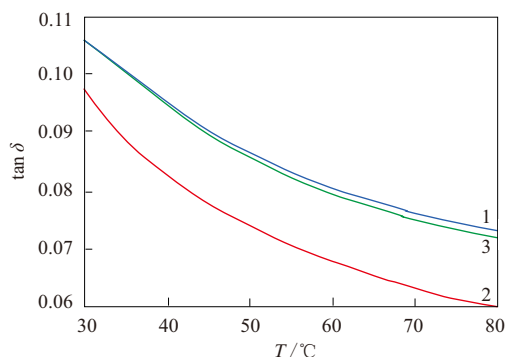
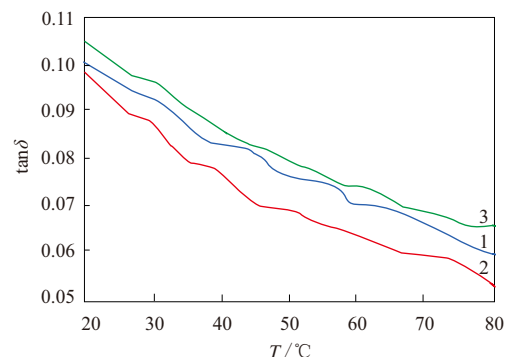




(a) 拉伸模式



(b) 剪切模式

1—K1配方;2—K2配方;3—K3配方。

图2 胶料的 $\tan\delta$ -温度扫描曲线

3 结论

(1) 与未采用交联剂的胶料相比,采用交联剂WY988的胶料与采用KA9188的胶料硫化速度快,定伸应力大,但拉伸伸长率和撕裂强度较低。

(2) 采用交联剂WY988的胶料与采用KA9188的胶料硫化特性、抗硫化返原性能和物理性能基本相当。

(3) 采用交联剂WY988与KA9188的胶料在拉伸模式下的 $\tan\delta$ 均较小,有利于降低胶料生热。交联剂WY988对降低胶料生热的作用比交联剂

KA9188大。

(4) 交联剂WY988与KA9188均兼具促进剂和抗硫化返原剂的作用,均可部分替代促进剂NS用于NR胶料。

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Application of Cross-linking Agent WY988 in NR Compounds

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Abstract: The effect of domestic made cross-linking agent WY988 on the properties of NR compounds was studied using base tread compound formulation of TBR tire and compared with imported cross-linking agent KA9188. The experimental testing results showed that, when WY988 or KA9188 was used to replace part of the accelerator NS, the curing speed, cross-linking degree and tensile strength of the compound increased. The curing characteristics, anti-reversion properties and physical properties of the compounds using WY988 were similar to those using KA9188, but the heat build-up was lower.

Key words: cross-linking agent; NR; base tread compound; TBR tire; anti-reversion property; heat build-up

吐鲁番市恒泽5万t特种炭黑项目签约

中图分类号:TQ330.38⁺1 文献标志码:D

吐鲁番市恒泽煤化有限公司与安阳市恒旭特种炭黑有限公司合作兴建特种炭黑项目成功签约。该项目位于新疆吐鲁番,总投资约为1.5亿

元,其中一期工程投资8 000万元,特种炭黑年产能3万t,粗酚精年加工能力为1万t;二期工程投资7 000万元,特种炭黑年产能2万t,粗酚精年加工能力为2万t。项目达产后年产值将达到5亿元。

(国 艺)