

Performance Comparison of SSBR2557TH and SSBR2557S

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Abstract: Two kinds of similar grade solution polymerized styrene butadiene rubber (SSBR) 2557TH and SSBR2557S filled with different oils were studied and compared. The results showed that the environment-friendly aromatic oil filled SSBR2557TH had higher aromatic carbon ratio and alky carbon ratio, and the naphthenic oil filled SSBR2557S had higher naphthenic carbon ratio. The vulcanization characteristics of the two kinds of SSBR compounds reinforced by carbon black or silica were similar, but the physical properties of SSBR2557TH compound were slightly worse. The loss factors of SSBR2557TH compound filled with carbon black were lower than those of SSBR2557S compound at the temperature of 0, 20, 60 and 80 °C, respectively, while the loss factors of the two kinds of SSBR compounds filled with silica were equivalent. Compared with SSBR2557S raw rubber and compound, the glass transition temperatures of SSBR2557TH raw rubber and compound filled with silica were slightly higher, respectively, and the glass transition temperature of SSBR2557TH compound filled with carbon black was slightly lower.

Key words: solution polymerized styrene butadiene rubber; filling oil; vulcanization characteristics; loss factor; glass transition temperature

伊士曼高性能产品亮相轮胎技术论坛

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在中国橡胶工业协会举办的第5届全球轮胎技术论坛上,伊士曼轮胎添加剂业务技术服务及应用开发经理朱连超博士全面介绍了伊士曼新一代Crystex Cure Pro不溶性硫黄的卓越性能。

Crystex Cure Pro不溶性硫黄是专为轮胎开发的创新型产品,具有优异的热稳定性、杰出的分散性能以及显著提高的流动性能,有助于轮胎制造商缩短密炼时间,改进物料操作流程,减小报废物料量,从而降低运营成本,提高生产效率。

在论坛期间,伊士曼还举办了Eastman ImperaTM高性能树脂研讨会,探讨了轮胎市场发展趋势及当前的迫切需求,重点介绍了Impera高性能树脂助力轮胎制造商获得更佳的性能平衡解决方案。

伊士曼轮胎添加剂业务中国区销售经理梅国桥表示:“对于轮胎制造商和汽车制造商来说,轮胎的性能平衡与安全是一项始终面临的挑战。Impera高性能树脂可以使轮胎胎面胶在不牺牲滚动阻力和耐磨性能的情况下显著提高湿地抓着

力,从而获得各项性能的平衡。”

(陈佳燕)

赢创扩大土耳其工厂沉淀法白炭黑产能

中图分类号: TQ330.38⁺3 文献标志码: D

为了应对轮胎行业对白炭黑高涨的需求,赢创工业公司宣布将其位于土耳其阿达巴扎工厂的沉淀法白炭黑年产能扩大4万t,投资额控制在5 000万欧元以下。

新装置计划于2020年投产,主要用于生产ULTRASIL[®]绿色轮胎用高分散性白炭黑,以满足欧洲东南部和中东地区客户对沉淀法白炭黑日益增长的需求。

赢创董事会成员Johannes Ohmer博士说:“作为轮胎行业的合作伙伴和世界主要白炭黑生产商之一,我们凭借产能扩张来应对巨大的市场需求,加强与轮胎制造商的业务合作。”

赢创炭黑业务线总监Andreas Fischer表示,“这是对为区域客户提供可靠创新产品和定制解决方案的回应。”

(清风)