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Rheological property of HAF-filled powdered SBR during mixing

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Abstract: The rheological property of HAF-filled powdered SBR [P(SBR/HAF)] with different addition levels of HAF and aromatic oil during mixing was investigated and compared to that of HAF-filled bale SBR (SBR/HAF). The test results showed that the dependence of the apparent viscosity η_a and unit mixing energy W_u on the mixing time and the addition levels of HAF and aromatic oil for P(SBR/HAF) was lower than that for SBR/HAF by 30% ~ 50%; the less energy was consumed for mixing P(SBR/HAF) when the addition level of HAF was more than 30 phr; and the temperature rise of P(SBR/HAF) during mixing was not sensitive to the addition level of HAF, but decreased as the addition level increased.

Keywords: HAF; SBR; aromatic oil; mixing; rheological property

2001年橡胶工业产销进出口情况

中图分类号: TQ336; TQ330.4 文献标识码: D

2001年, 橡胶工业专用设备制造业工业增加值为5.46亿元, 同比增长15.53%; 销售收入16.12亿元, 同比增长13.52%; 利润总额0.14亿元, 同比增长141.27%。橡胶制品业销售收入799.62亿元, 同比增长8.31%; 利润总额27.88亿元, 同比增长147.38%。产品产量为: 合成橡胶104.55万t, 同比增长19.31%; 橡胶助剂14.04万t, 同比增长8.25%; 炭黑76.36万t, 同比增长13.37%; 轮胎外胎13356.17万条, 同比增长8.24%; 力车轮胎外胎27469.08万条, 同比增长0.19%; 输送带7245.91万m², 同比增长16.09%; V带63692.03万A米, 同比增长3.92%; 橡胶胶管21072.26万标米, 同比增长12.85%; 胶鞋80773.17万双, 同比增长0.52%。橡胶制品业的资产比例有所上升, 新增资产67.5亿元, 占全年化工新增资产的13.9%。进出口情况: 橡胶及其制品进口额为202325万美元, 同比增长6.16%, 出口额160788万美元, 同比增长3.08%; 胶鞋进口量为281.8万双, 同

比增长39.5%, 进口额998万美元, 同比增长62.01%, 出口量283721.5万双, 同比增长1.86%, 出口额502495万美元, 同比增长6.11%。

(本刊讯)

贵轮30万条子午线轮胎项目通过验收

中图分类号: U463.341⁺.6 文献标识码: D

贵州轮胎股份有限公司年产30万条全钢载重子午线轮胎技术改造项目日前通过国家经贸委组织的验收。该项目是国家经贸委批准和“九五”轮胎行业调整产品结构重点项目, 同时被列为第三批国债专项资金重点技术改造项目, 总投资为7.2亿元, 1999年开工建设, 2001年9月进入试生产, 目前已先后开发、试制出14种规格的全钢载重子午线轮胎。经测试, 轮胎外缘尺寸、强度、高速性能、耐久性能等技术指标均达到国家标准。今年前4个月, 生产全钢载重子午线轮胎72555条, 合格率达98%以上。现日产量稳定在1000条左右, 实现了年产30万条能力的目标。

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