

形量、作用力、胶料粘度和填料粒子附聚体附聚力4个因素,变形量和作用力除受粘度影响外,还取决于密炼机的技术特征。

(2)最佳混炼工艺的主要条件是胶料处于最佳粘度状态。此最佳粘度值随着填料性质和密炼机技术特征会有所变化。

(3)最佳粘度时,填料较易混入,胶料能传递足够大的力分散填料粒子附聚体,此时胶料的变形为有效变形,因而可用最短的时间、最少的能量,获得较好的分散性。

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收稿日期 1997-11-17

Discussion on Improving Dispersibility of Rubber Mix

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Abstract A study was made on the effective factors in rubber mixing. The results showed that the most effective factors in rubber mixing included deformation value, applied stress, mix viscosity and cohesion of filler agglomerate; the mix viscosity changed with the filler properties and the internal mixer specification; when the mix viscosity was the most suitable, the optimal mixing process was obtained, the filler was more easily incorporated because the mix could transfer enough power to disperse filler agglomerates, and the deformation was effective, thereby the better dispersion was obtained with the shortest time and the least power.

Keywords internal mixer, mix, dispersibility, viscosity

杜邦和土耳其 Sabanci 计划 在南美建尼龙纱线厂

美国《橡胶和塑料新闻》1997年12月8日4页报道:

杜邦和土耳其 Sabanci 集团计划在南美建一座生产尼龙纱线的合资厂,这些纱线将用于制造轮胎帘线和其它增强材料。

杜邦和 Sabanci 已在土耳其建了一家合资厂。Sabanci 还在与阿克苏-诺贝尔商谈成

立生产轮胎、胶管和胶带用聚酯、人造丝和尼龙增强材料的50:50合资厂的计划。

杜邦是世界上最大的工业用尼龙纱线生产厂家,年产能力为19万t。该公司最近投资6500万美元购买了印度尼西亚轮胎尼龙帘线生产厂家 Branta Mulia 公司20%的股份。两家公司还同意就在亚洲的销售和扩大生产能力进行合作。

(涂学忠摘译)