

Effect of Regeneration Temperature and Thin-pass Number of Two-roll Mill on Properties of Recycled Rubber

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Abstract: The regeneration of waste rubber powder by using self-made desulfurization tank was carried out, and recycled rubber powder was thin-passed on the two-roll mill, then recycle rubber was made. The effect of regeneration temperature and the thin-pass number of two-roll mill on the properties of recycled rubber was studied. The results showed that with the increase of regeneration temperature, the regeneration degree of regenerated rubber increased, the Mooney viscosity decreased, tensile strength and elongation at break increased first and then decreased, and with the regeneration temperature range of 190~200 °C, the overall properties of regenerated rubber were good. With the increase of the thin-pass number, the tensile strength and elongation at break of regenerated rubber increased first and then decreased when the regeneration temperature was lower than 190 °C. If the regeneration temperature was higher than 210 °C, the tensile strength and elongation at break significantly decreased with the increase of the thin-pass number.

Key words: waste rubber powder; recycled rubber; desulfurization tank; two-roll mill; regeneration temperature; thin-pass number; tensile strength; elongation at break

优科豪马ADVAN Sport V105轮胎

装配新款保时捷轿车

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日本优科豪马轮胎公司的旗舰产品ADVAN Sport V105轮胎开始为德国保时捷汽车公司的新款911, 718 Boxster及718 Cayman汽车配套。为911汽车配套的前轮轮胎规格为235/40ZR19(92Y), 后轮轮胎规格为295/35ZR19(100Y); 为718 Boxster汽车配套的前轮轮胎规格为235/40ZR19(92Y), 后轮轮胎规格为265/40ZR19(98Y); 为718 Cayman汽车配套的前轮轮胎规格为235/40ZR19(92Y), 后轮轮胎规格265/40ZR19(98Y)。

ADVAN Sport V105轮胎是优科豪马旗下面向高档车的高性能轮胎, 具备出众的行驶性能, 同时兼顾舒适性和安全性能。本次配套的轮胎由优科豪马与保时捷共同开发, 并在胎侧印刻了代表保时捷认可的“NO”标识。

(鲁 迪)

住友扩大其美国轮胎工厂产能

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日本住友橡胶工业有限公司计划投资8 700万美元(折合约7 900万欧元), 将其美国纽约托纳旺达(Tonawanda)工厂的乘用车轮胎和轻型载重轮胎生产能力扩大1倍, 到2019年底达到日产轮胎1万条。

此举的目的是扩大住友在北美的轮胎销售额, 提高住友在当地市场生产轮胎, 尤其是运动型多功能汽车(SUV)轮胎的能力, 目前北美对SUV轮胎需求旺盛。

住友已开始将其泰国阿马提城(Amati City)工厂的部分生产能力转移到托纳旺达。住友托纳旺达工厂现生产乘用车轮胎、轻型载重轮胎、中型载重轮胎、重型载重轮胎和摩托车轮胎。

此次投资与2016年住友与固特异结束长期全球联盟有关。与固特异的分手, 使住友在处理北美业务时更加游刃有余。

(谢 立)