



The Chemistry of the Rubber Industry

By Harold Edwin Potts

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Vulcanised rubber represents the technically important derivative of raw rubber. In practice the term is used to denote any rubber mixing which has been vulcanised; thus, in vulcanised rubber we are not only concerned with the modification of properties caused by the operation of vulcanisation itself (see Chapter V), but also with the various effects produced by the compounding ingredients which have been used (see Chapter IV). As far as the modifications induced by vulcanisation itself are concerned, it will be clear from the previous chapter that they really resolve themselves into a question of greater stability-- a stability to chemical change, and also to various physical influences, more especially to heat and mechanical stresses of different kinds. That is the working effect, so to speak. The theoretical aspect of the whole case has undergone curious vicissitudes. Leaving out of consideration the period...



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