

ABSTRACT

The present invention discloses a continuous method for manufacturing a rubber masterbatch and a rubber masterbatch prepared thereby, the method comprises: step 1): a filler is added into a rubber solution so as to form a rubber/filler/solvent mixture under stirring; step 2): the rubber/filler/solvent mixture in step 1) is coagulated so as to obtain a mixture of rubber/filler complex and solvent; and step 3): the solvent is removed and the mixture is dried so as to obtain a rubber/filler masterbatch. The present invention also relates to a masterbatch prepared by using the abovementioned method, and a rubber article prepared by using the masterbatch. As compared to the dry technology in the prior wet compounding, the present invention has no special requirements on the rubber and the filler, thus having a wide application range. The production process is continuous and highly efficient, and has low energy consumption, and less labour, therefore the cost is low. The rubber masterbatch prepared by this method has very excellent processability, physical and mechanical properties and product quality.