Research on the method of modifying the performance of using oxidation

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Abstract: The research is about Using potassium permanganate, hydrogen peroxide and other oxidants, at the same time, using sulfate, ferrous sulfate, copper chloride as the initiator to treating the PA6/LDPE microfiber. So that the surface of polymer micro-fiber was beaten to pieces, the original amide bond was interrupted. The group numbers of the -COOH and NH$_2$ increased a lot. On this basis, more other functional active groups could be introduced.

Key words: oxidation; PA6/LDPE microfiber, modified