

ABSTRACT

AUTO-CRUSTING MICROPOROUS ELASTOMER COMPOSITION FOR USE IN POLYURETHANE FOAM-FILLED TIRE

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The present invention relates to an auto-crusting microporous elastomer composition for use in a polyurethane foam-filled tire. The composition consists of constituent A and constituent B. Constituent A comprises polyether polyols, polymeric polyols, a crosslinking agent and/or a chain extender, a foam stabilizer, a catalyst, and
10 a foaming agent. Constituent B is an alcohol-modified isocyanate, where the mass content of -NCO is between 18.0% and 20.0%. The mixing mass ratio between constituent A and constituent B is 100:70 to 100. A microporous elastomer material prepared from the composition material is provided with great mechanical properties, and is allowed to replace an existing regular polyester shoe sole material in
15 manufacturing the polyurethane foam-filled tire.

Nil