

ABSTRACT

5 Provided are a mint polyurethane foam insole with a cooling and itch-relieving effect, a preparation method therefor and an application thereof. The raw materials for preparing the mint polyurethane foam insole comprise a combination of polymer polyol, diisocyanate, a foaming agent, activated carbon, a chain extender, mint oil, and mint powder by specific parts; for the mint polyurethane foam insole, the mint oil, mint powder, and activated carbon added as a combination in the raw materials create synergistic collaboration, and thereby the obtained mint polyurethane foam insole has a long-lasting and excellent effect of cooling and itch-relieving, and has high air permeability and high wearing comfort, and also has the effect of
10 odor-absorption, moisture-absorption, odor-removal, mold resistance and antimicrobial, which has an important research value.

No Figure