

ABSTRACT

Disclosed are an eco-friendly shield tail sealing grease, and a preparation method and application thereof. The sealing grease comprises the following components in parts by weight: 15 parts to 40 parts of base oil, 5 parts to 20 parts of tackifier, 1 part to 5 parts of thickening rheological agent, 1 part to 5 parts of adhesion promoter, 3 parts to 8 parts of reinforcer and 30 parts to 50 parts of filler. The sealing grease provided by the disclosure is good in water-proof sealing property, excellent in pumpability, and strong in adhesion; meanwhile, most of the composition components are natural, non-toxic, renewable and biodegradable, which can avoid the pollution of the shield tail sealing grease to groundwater, environment and structures and promote the continuous improvement of ecotope.