

ABSTRACT

The present disclosure relates to the technical field of lithium batteries, and proposes a high-low-temperature adhesive slurry, a preparation method of a lithium battery separator, and a lithium battery. The high-low-temperature adhesive slurry includes the following components in parts by mass: 10-15 parts of adhesive material, 5-15 parts of thickener, 2-15 parts of binder, 0-0.5 parts of dispersant, and 50-80 parts of water, wherein the adhesive material is a high-temperature adhesive material coated with a low-temperature adhesive material, and the raw materials of the adhesive material comprise a low-temperature adhesive material and a high-temperature adhesive material at a mass ratio of 1:9-9:1. Through the above technical solution, the invention addresses the problem in the related art where the water-based adhesive materials used in lithium batteries exhibit poor adhesion force to the electrode sheets and require high-temperature softening to achieve satisfactory adhesion performance.

Fig.1