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The Characteristics of Lithium Polymer Battery for Polymer Cathode
고분자 전극을 이용한 리튬 이차전지의 특성

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The new type polymer electrolyte composed of polyacrylonitrile(PAN) baed polymer electrolyte contain $LiClO_4$-EC/PC was developed for the weightless and long or life time of lithium polymer battery system with using polyaniline electrode. The gel type electrolytes were prepared by PAN at different lithium salts in the glove box, and coated knife casting method. The minimum thickness of PAN gel electrolyte for the slim type is less than about <400~500㎛. These gel type electrolytes showed good compatibility with lithium electrode. The test cell of Li/polymer electrolyte/polyaniline solid state cell which was prepared by different lithium salt was reaserched by electrochemical technique.

Reference

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