

The Characterization of Bi-2223/Ag Tape Fabricated by using the Rectangular Dies.

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It was known that properties of superconducting tapes could be influenced by mechanical processing method. In this presentation, the effect of drawing method on the final properties of superconductor tape has been systematically studied. Firstly, BSCCO/Ag tapes have been fabricated via two-stage drawing method and conventional rolling process. The two-stage drawing process consists of circular dies drawing and rectangular dies drawing. Important parameters such as fill factor and critical current values of fully processed superconducting tapes have been evaluated to elucidate the effect of drawing method.

keywords : BSCCO/Ag, Drawing , Rectangular dies.