Tape Casting for Ceramic Substrate

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The corumic green sheet for the multilayer ceramic substrate (Al 203, etc.) or IC package has been fabricated by the tape casting using a doctor blade method. This paper describes the fabrication process of the ceramic green sheet and its properties.

1. Introduction

back ground of the ceramic substrates

- 2. Required properties of the green sheet for the ceramic substrate punching, printing, laminating, sintering
- Important parameters to fabricate the ceramic green sheet organic binders, ball milling, slurry, thickness controlling, imperfections

1. Properties of ceremic green sheet

mechanical properties, surfaces, thermal proporties, permeability, microstructures