

RELEASE FILM FOR CERAMIC GREEN SHEET PRODUCTION PROCESS

Abstract

A release film (1) for a ceramic green sheet
5 production process is provided. The release film (1)
comprises a base material (11) and a release agent layer
(12) provided at one side of the base material (11). The
release agent layer (12) comprises a cured material of a
release agent composition. The release agent composition
10 contains an active energy ray curable component and a
silicone-based component. A surface of the release agent
layer (12) at the opposite side to the base material (11)
has an arithmetic average roughness (Ra) of 8 nm or less
and a maximum projection height (Rp) of 50 nm or less. An
15 elastic modulus measured by a nanoindentation test of the
release agent layer (12) is 4.0 GPa or more. A surface of
the base material (11) at the opposite side to the release
agent layer (12) has an arithmetic average roughness (Ra)
of 5 to 50 nm and a maximum projection height (Rp) of 30 to
20 500 nm. According to the release film (1) for a ceramic
green sheet production process, it is possible to
effectively prevent/suppress the occurrence of defects such
as pinholes and thickness irregularity in a ceramic green
sheet, and the releasability of a ceramic green sheet is
25 also excellent.

Fig. 1