

## عنوان مقاله:

Study on planforms in evaporative poly(methyl methacrylate) solutions

## محل انتشار:

ششمین کنگره بین المللی رنگ و پوشش (سال: 1394)

تعداد صفحات اصل مقاله: 2

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## خلاصه مقاله:

The benard cells planforms in MEK/PMMA systems are investigated experimentally by aid of two means of observation; PIV and the usual digital camera. The solvent mass flux and surface temperature during the time are measured to present overviews of system situation during drying. The effects of two parameters, initial thicknesses and content of polymer, which are introduced by the thermal Zhang and solutal Marangoni numbers, on planforms are studied. The results proposed that the both thermal and solutal convections are responsible for Benard cells planforms in the polymer solution.

## کلمات کلیدی:

Benard cells- Evaporative convection- polymer solution- Surface tensions gradients

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/424007>

