

## Surface morphology control of polymer thin layer coated on the surface of glass plate

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In this study, surface morphology control of polymer thin layer has been attempted through coating polystyrene/benzene solution on the surface of glass plate, followed by condensing water vapors and drying those. Humid air between 30 and 80 °C was used to form a 2-dimensional porous structure on the surface of polymer thin layer. Air humidity, coating thickness and polymer solution concentration were used as variables to control the surface morphology of polymer thin thayer coated on the surface of glass plate. Through statistical image analysis, we have carefully studied the effect of those variables on the size distribution of hemispherical marks formed by condensed vapors on the surface of polymer thin layer.