

THE THICHNESS OF INTERPENETRATION LAYER FUNCTION OF ROUGHNEESS AT CONTACT SURFACE OF BI-COMPONENTS PARTS

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Abstract: The purpose of this paper-work is to present the practical experiments to determinate the influence of the roughness at the contact surface between two thermoplastics polyurethanes. Thirst polyurethanes it is a soft plastic material and the second is very rigid or hard polyurethane. The adhesion between these two materials it is very important for the bi-components injection molding parts. These parts obtained with bi-components molding injection technologies are very complex because they combine multi characteristic of the different plastics material like thermoplastics polyurethanes.

Key words: injection, molding, bi-component, adhesion, interpenetration, polyurethane.