

ABSTRACT

Now-a-days the major requirement of plating industry is to give a plastic surface a metallic luster for decorative reasons. It is in-fact impossible to tell by the appearance whether a chromium-plated object is made of metal or plastic.

Electroplated plastic are warm and much lighter. Because of its lightness, it is easier to transport and handle plastic objects. They can be shaped more easily, more cheaply and in greater variety than metals. Flammability of plastics is also reduced by metallization. Plastics like other non conductors require surface pretreatments.

In this work special and useful results have been obtained in terms of better cohesion and luster by employing modified bath compositions. Experiments have also been successful for gold plating. Black Ni plating on plastics.