

NANOSTRUCTURE OF METALLIC COATING ON PLASTIC FILMS

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Thin vacuum-deposited aluminium coating on plastic films are intensively used in a variety of packaging applications. The structure of the thin metal layer has a strong incidence on their adhesion to the polymeric substrate and final properties of the coated film. In this work the crystalline structure of the aluminum layer is studied by transmission electron microscopy (TEM) and wide angle x-ray diffraction (WAXS).