

Photoinduced Graft Copolymerization  
on High Density Polyethylene Film

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Photoirradiation graft copolymerization of acrylic acid onto high density polyethylene film using benzophenone as photosensitizer was investigated.

The effect of monomer concentration, of photosensitizer concentration and of reaction time on the degree of grafting was evaluated.

The contact angle was determined to estimate the surface property. And also mechanical property, thermal property and surface structure of grafted film were investigated.