

Degradable plastics and its useful lifetime. Hamid, S. H.; Maadhah, A. G.; Al-Jarallah, A. M.; Amin, M. B.; Khan, J. H. Res. Inst., King Fahd Univ. Pet. and Miner., Dhahran, Saudi Arabia. Annual Technical Conference - Society of Plastics Engineers (1991), 49th 2167-9. CODEN: ACPED4 ISSN: 0272-5223. Journal written in English. CAN 118:82307 AN 1993:82307 CAPLUS (Copyright (C) 2008 ACS on SciFinder (R))

Abstract

The changes in characteristics and properties of polyethylene films exposed to the severe weather conditions of Saudi Arabia were studied using Fourier-transform IR spectroscopy, differential scanning calorimetry, and mech. property changes. The ideal product for tropical regions is photo- and biodegradable.