

NGHIÊN CỨU CHẾ TẠO MÀNG PHỦ NANOCOMPOSITE TỪ NHỰA EPOXY VÀ SÉT BIẾN TÍNH

Phạm Thị Hà Thanh, Nghiêm Xuân Trung, Đinh Văn Trung

TÓM TẮT:

Nanocomposite coating was prepared using diglycidyl ether of bisphenol A type epoxy resin and different amount (1,2,3,4,5%) of organoclay modified by cetyltrimethylammonium bromide (CTAB). Dispersion of nanocomposite was investigated with a variety of methods including X-ray diffraction, TGA, IR, and SEM analysis. Result, the clay platelets are well-exfoliated in matrix polymer and the properties of the coat were significantly improved by the presence of nanosize clay particles.