

반도전 재료의 열적 특성에 대한 연구

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Thermal Analysis of Semiconductive Materials

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Abstract : Thermal and mechanical properties were investigated in several semi-conductive materials which is composed of carbon black and polymer. EVA, EEA, and EBA is normally used for matrix polymer and normally acetylene black and furnace black is used. Isothermal thermo gravimetric analysis is done as a function of atmosphere and temperature. In nitrogen atmosphere semicon compound was slowly degraded but in ambient condition degraded fast. So in the cable manufacturing, atmosphere and materials are very important.

Key Words : Isothermal TGA, semicon compound, Crosslinking