SEM, EDX and SCM evaluation of IGZO-TFT

Amorphous IGZO (In-Ga-Zn-O) semiconductor has been researched and developed as an one of candidates for next-generation TFTs and other electronic devices because of its excellent properties such as high channel mobility and low leakage current. We introduce a case study of the morphological observation and carrier distribution of IGZO-TFT cross sections of commercial products using SEM-EDX and SCM.

