



Electrical conductivity of a composite of carbon nanotube masterbatches and high impact polystyrene (HIPS) as a function of the content of carbon nanotubes. The carbon nanotube masterbatches are composed of 10 wt% carbon nanotubes and 90 wt% polystyrene (PS). The composite is prepared by mixing the carbon nanotube masterbatches and HIPS at 210 °C with a twin screw extruder. Samples for the resistivity measurement are molded at 210 °C and 5 MPa for 10 min.