

## **Preparation and Evaluation of Highly Thermal Conductive Polymer Composite**

Yasayuki Agari<sup>C,S</sup>, Hiroshi Hirano, Joji Kadota, Akinori Okada and Kiyoshi Mizuuchi  
*Environmental Technology Research Division, Osaka Municipal Technical Research Institute, Osaka, Osaka  
Prefecture, Japan  
agari@omtri.or.jp*

We have confirmed 8 factors on thermal conductivities of polymer composites to obtain our conductive model, and especially found that the effect of thermal contact resistance of fillers was important, then obtained highly thermal conductive composite. We will show those factors and preparation and evaluation of the highly conductive composite (carbon material/PPS and BN/liquid crystalline polymer composite etc.).