Application of Scaled Flow Testing on Prepreg Characterization

Shing-Lin Kuo, Jyh-Jye Wang
Industrial Safety and Hygiene Department
Tajen Institute of Technology, Ping-Ton, Taiwan, R.O.C.

ABSTRACT

A simple test procedure defined as scaled flow testing was used to characterize B-stage prepreg flow performance. The result shows that scaled flow testing is effective and meaningful since as demonstrated, the test can be designed to correlate with full scale performance. An advantage of scaled flow testing is optimization of prepreg flow properties in shorter time intervals. In certain cases, it can also widen acceptance limits as long as the scaled flow data is acceptable since one can be confident that the material will perform satisfactorily.

Keywords: Scaled flow testing, B-stage prepreg, lamination, thickness , fabric