Accepted Manuscript

Electrical, thermal and mechanical properties of poly-etherimide epoxy-diamine blend

N. Halawani, J.L. Augé, H. Morel, O. Gain, S. Pruvost

PII: S1359-8368(16)31597-9

DOI: 10.1016/j.compositesb.2016.11.022

Reference: JCOMB 4710

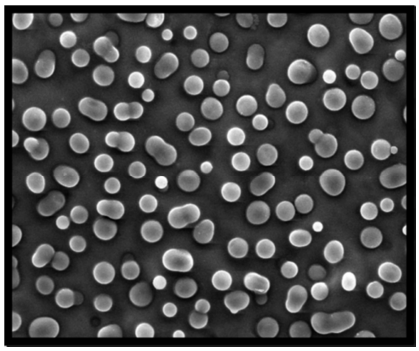
To appear in: *Composites Part B*

Received Date: 11 August 2016

Revised Date: 6 October 2016

Accepted Date: 11 November 2016

Please cite this article as: Halawani N, Augé JL, Morel H, Gain O, Pruvost S, Electrical, thermal and mechanical properties of poly-etherimide epoxy-diamine blend, *Composites Part B* (2016), doi: 10.1016/j.compositesb.2016.11.022.



Epoxy – polyetherimide, a homogenous phase separated blend, studied to show the effect of phase separation phenomenon in an organic-organic blend on the thermal, mechanical and electrical properties. The presence of the thermoplastic nodules decreased the permittivity values and the simulation prediction showed similar results with a shift to higher values.