

Study on Thermal Conductivity and Mechanical Properties of Cyclotriphosphazene Resin-Forced Epoxy Resin Composites

Omar Dagdag ^{1,*}, Lahoucine El Gana ², Rajesh Haldhar ^{3,*}, Avni Berisha ⁴, Seong-Cheol Kim ^{3,*}, Elyor Berdimurodov ⁵, Othman Hamed ⁶, Shehdeh Jodeh ⁶, Ekemini Daniel Akpan ¹ and Eno Effiong Ebensee ^{1,*}

¹ Centre for Materials Science, College of Science, Engineering, and Technology, University of South Africa, Johannesburg 1710, South Africa

² Laboratory of Materials Physics and Subatomic, Department of Physics, Faculty of Sciences, Ibn Tofail University, BP 133, Kenitra 14000, Morocco

³ School of Chemical Engineering, Yeungnam University, Gyeongsan 38541, Republic of Korea

⁴ Department of Chemistry, Faculty of Natural and Mathematics Science, University of Prishtina, 10000 Prishtina, Kosovo

⁵ Faculty of Chemistry, National University of Uzbekistan, Tashkent 100034, Uzbekistan

⁶ Department of Chemistry, An-Najah National University, Nablus P.O. Box 7, Palestine

* Correspondence: dagdao@unisa.ac.za (O.D.); rajeshhaldhar@yu.ac.kr (R.H.); sckim07@ynu.ac.kr (S.-C.K.); ebensee@unisa.ac.za (E.E.E.)

Supplementary information



Figure S1. A samples preparation procedure [26].

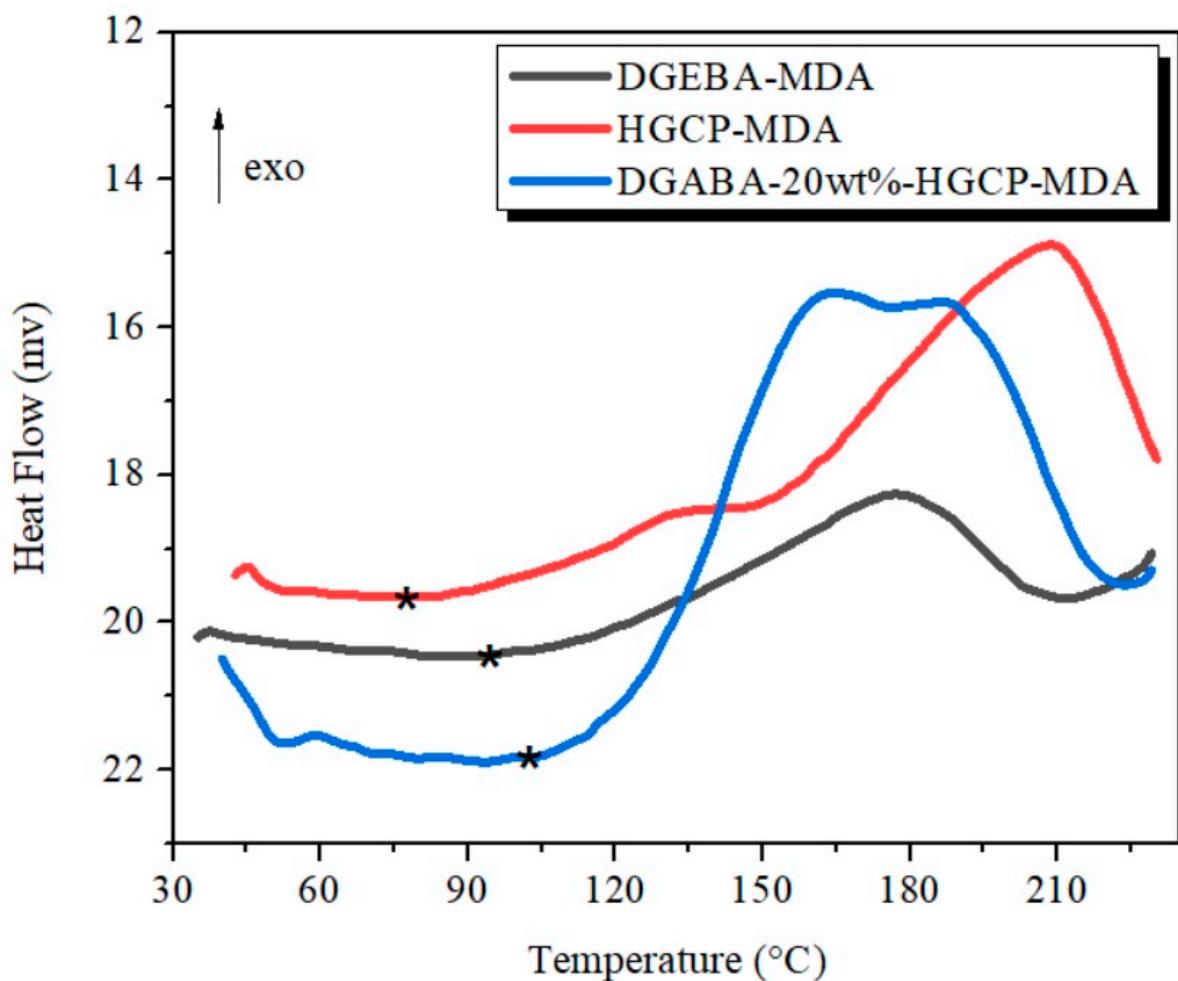


Figure S2. DSC thermograms of materials DGEBA@MDA, HGCP@MDA and DGEBA@HGCP20%@MDA [24].

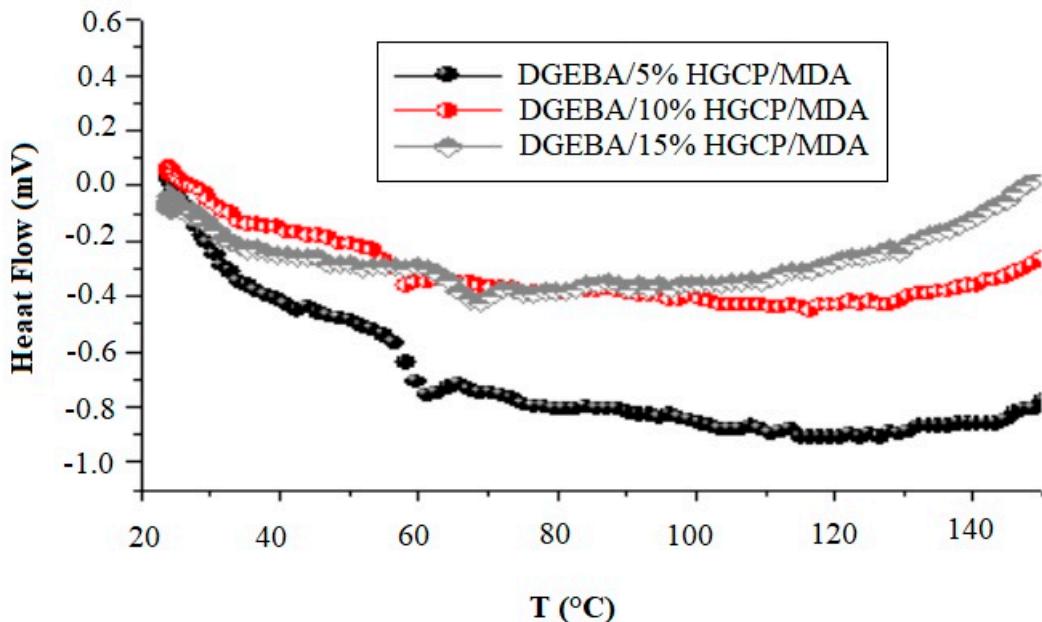


Figure S3. DSC thermograms of materials DGEBA@HGCP5%@MDA, DGEBA@HGCP10%@MDA and DGEBA@HGCP15%@MDA [37].