

Development of Self-Healable Organic/Inorganic Hybrid Materials Containing Biobased Copolymer via Diels-Alder Chemistry and Their Application in Electromagnetic Interference Shielding

Yi-Huan Lee ^{1,2,3,*}, Wen-Chi Ko ¹, Yan-Nian Zhuang ^{1,3}, Lu-Ying Wang ¹, Tao-Wei Yu ⁴, Shaio-Yen Lee ⁴, Tun-Fun Way ³ and Syang-Peng Rwei ^{1,2,3}

¹ Institute of Organic and Polymeric Materials, National Taipei University of Technology, Taipei 10608, Taiwan; asd14120asd@gmail.com (W.-C.K.); nickhamesome@gmail.com (Y.-N.Z.); ying3650@gmail.com (L.-Y.W.); f10714@ntut.edu.tw (S.-P.R.)

² Department of Molecular Science and Engineering, National Taipei University of Technology, Taipei 10608, Taiwan

³ Research and Development Center for Smart Textile Technology, National Taipei University of Technology, Taipei 10608, Taiwan; tfway1951@gmail.com (T.-F.W.)

⁴ Taiwan Graphene Co. Ltd., Taipei 11493, Taiwan; bob.yu@angstrommaterials.com (T.-W.Y); shaoyen.lee@angstrommaterials.com (S.-Y.L)

*Correspondence: yihuanlee@mail.ntut.edu.tw (Y.-H.L.); Tel.: 886-2-27712171 (ext 2410) (Y.-H.L.)

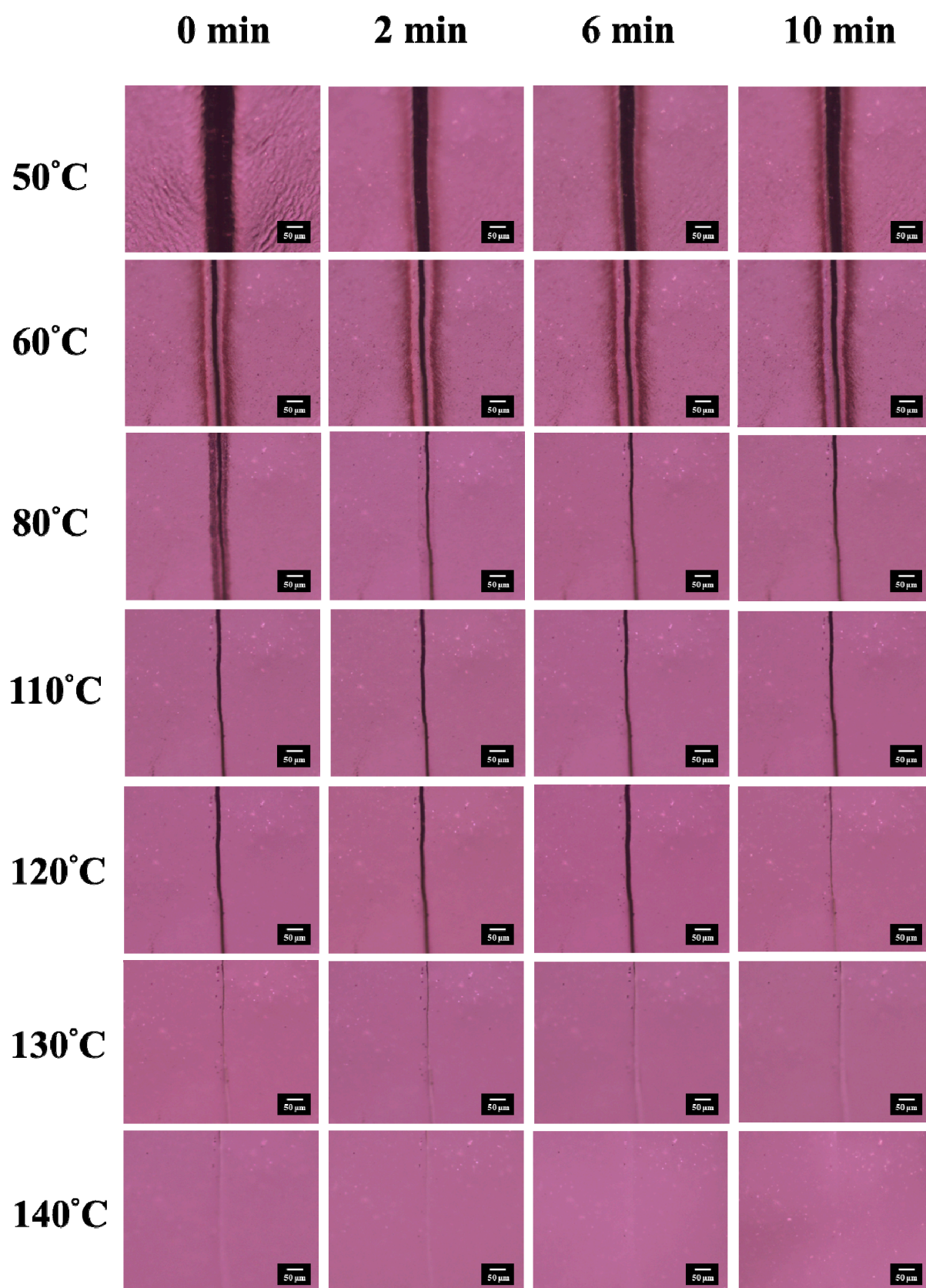


Figure S1. Detail information of optical microscope images recorded from the self-healing tests on a scratched DA-PEBF-2 sample for demonstrating the crack image versus healing time at different temperatures.