

Investigation of the Chemical Structure of Ultra-Thin Polyimide Substrate for the Xenon Flash Lamp Lift-off Technology

Seong Hyun Jang ^{1,3}, Young Joon Han ², Sang Yoon Lee ^{1,3}, Geonho Lee ^{1,4}, Jae Woong Jung ^{3,*}, Kwan Hyun Cho ^{2,*} and Jun Choi ^{1,*}

- 1 Human Convergence Technology R&D Department, Korea Institute of Industrial Technology (KITECH), Ansan 15588, Republic of Korea
 - 2 Manufacturing Process Platform R&D Department, Korea Institute of Industrial Technology (KITECH), Ansan, 15588, Republic of Korea
 - 3 Department of Advanced Material Engineering for Information & Electrics, Kyunghee University, Yongin, 17104, Republic of Korea
 - 4 Department of Chemical Engineering, Kyunghee University, Yongin, 17104, Yongin, Republic of Korea
- * Correspondence: wodndwjd@khu.ac.kr (J.W.J.); khcho@kitech.re.kr (K.H.C.); skywork1@kitech.re.kr (J.C.)
Tel.: +82 31 8040 6256 (J.C.)

Citation: Jang, S.H.; Han, Y.J.; Lee, S.Y.; Lee, G.; Jung, J.W.; Cho, K.H.; Choi, J. Investigation of the Chemical Structure of Ultra-Thin Polyimide Substrate for the Xenon Flash Lamp Lift-off Technology. *Polymers* **2021**, *13*, 546.

<https://doi.org/10.3390/polym13040546>

Academic Editor: Toshihiko Matsu-moto

Received: 21 January 2021

Accepted: 8 February 2021

Published: 12 February 2021

Publisher's Note: MDPI stays neutral with regard to jurisdictional claims in published maps and institutional affiliations.



Copyright: © 2021 by the authors. Submitted for possible open access publication under the terms and conditions of the Creative Commons Attribution (CC BY) license (<http://creativecommons.org/licenses/by/4.0/>).

1. Supplementary Materials

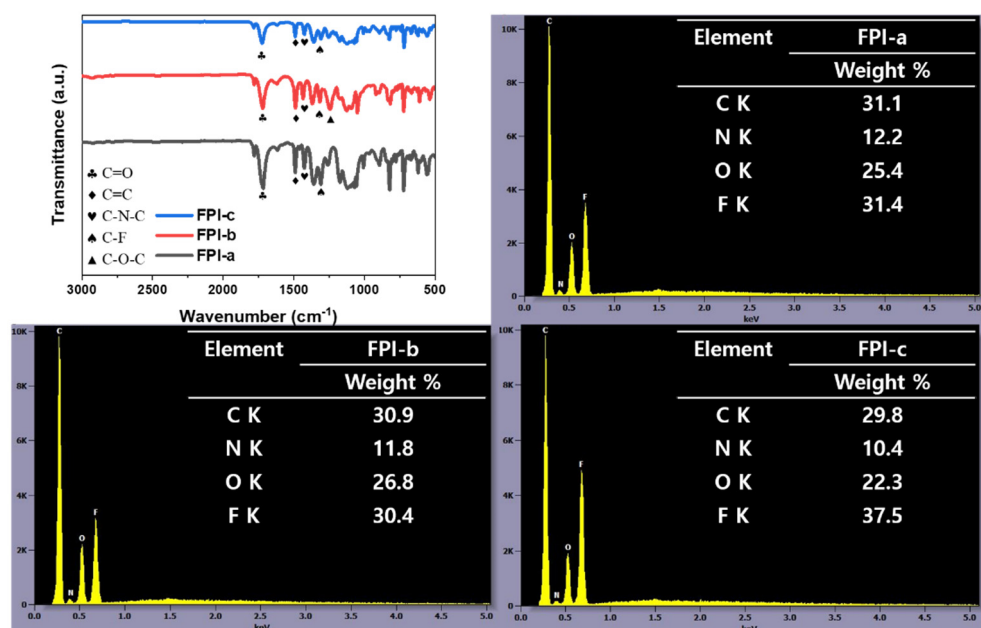


Figure S1. FT-IR spectra and EDX data of the prepared FPI film series.