Electronic Supplementary Material (ESI) for Dalton Transactions.

Supplementary information

Molecular layer deposited alucone thin films from long-chain organic precursors: from brittle to ductile mechanical characteristics

Janne-Petteri Niemelä, Nadia Rohbeck, Johann Michler and Ivo Utke*

*janne-petteri.niemelae@empa.ch

Laboratory for Mechanics of Materials and Nanostructures

Empa - Swiss Federal Laboratories for Materials Science and Technology

Feuerwerkerstrasse 39, Thun CH-3602, Switzerland

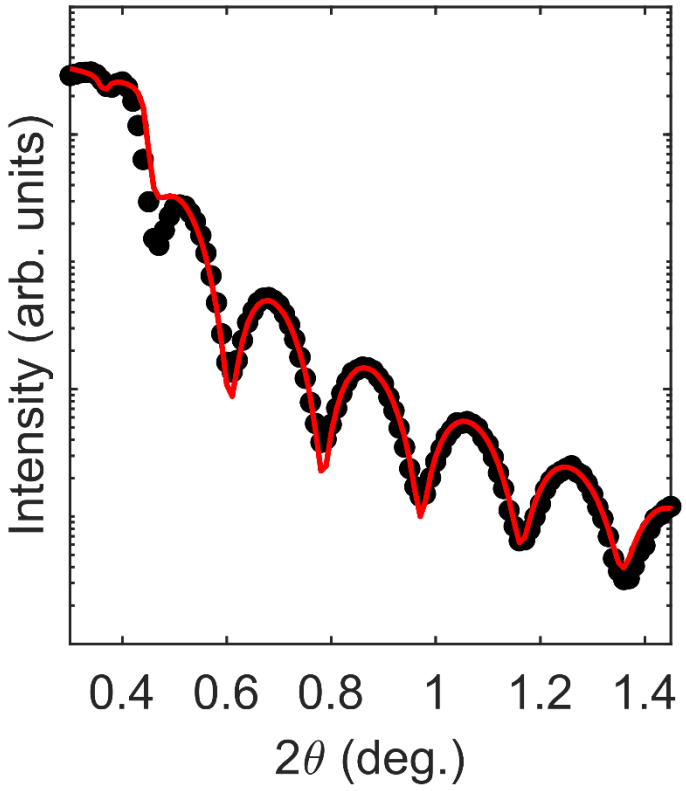

Figure S1. An example X-ray reflection pattern (solid markers) together with the corresponding fit (line) for a hybrid inorganic-organic film deposited through the TMA/DD route.

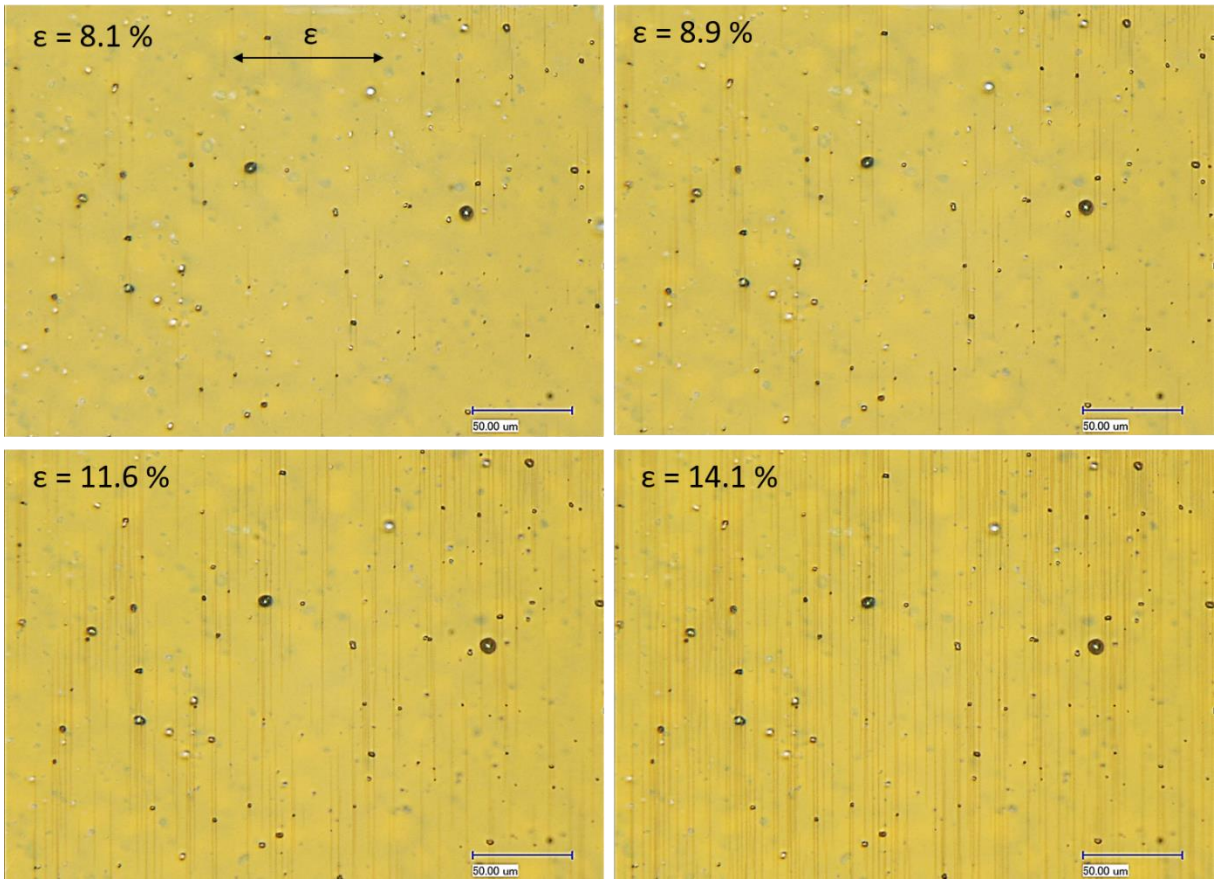

Figure S2. Optical micrographs of the film surface for various uniaxial tensile strain (ε) values as followed through the in-situ optical microscopy. The micrographs are for the hybrid inorganic-organic film deposited through the TMA/HD route.

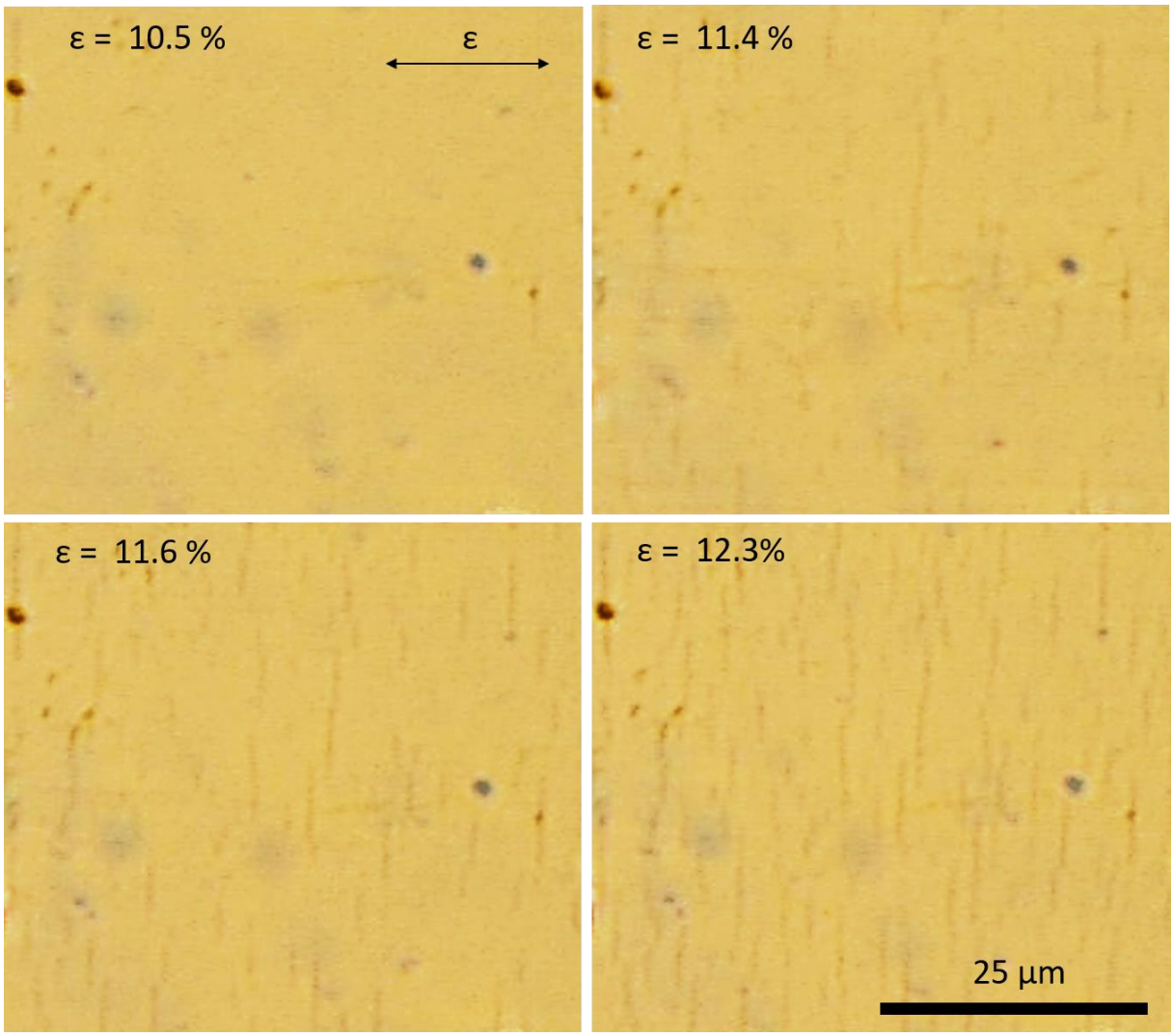

Figure S3. Optical micrographs of the film surface for various uniaxial tensile strain (ε) values as followed through the in-situ optical microscopy. The micrographs are for the hybrid inorganic-organic film deposited through the TMA/DD route.