Supplementary Data

Phase-separation and mixing in thin films of co-deposited rod-like conjugated molecules

Jörn-Oliver Vogel, Ingo Salzmann, Steffen Duhm, Jürgen P. Rabe and Norbert Koch*

Received (in XXX, XXX) Xth XXXXXXXXXX 200X, Accepted Xth XXXXXXXXXX 200X
First published on the web Xth XXXXXXXXXX 200X
DOI: 10.1039/b000000x

The IR spectra of a co-deposited film of DH6T and 6P deposited on SiO₂. It has been shown that this material pair shows pronounced intermixing on a molecular scale. The 6P γ(C-H) o.-o.-p. bending peak at 759.9 cm⁻¹ shows a maximal peak blue shift of 2.1 cm⁻¹ (16% 6P). The peak at 814.2 cm⁻¹ is 1.7 cm⁻¹ blue shifted (33% 6P). The peaks are not significantly broadened.

Fig. 1. IR absorption spectra of co-deposited DH6T 6P films on SiO₂ of 40 nm thickness.

* Humboldt-Universität zu Berlin, Institut für Physik, Newtonstrasse 15, 12489 Berlin, Germany. Fax: +49 (0)30 2093 7632; Tel: +49 (0)30 2093 7819; E-mail: norbert.koch@physik.hu-berlin.de