

Electronic Supplementary Information

Tailoring hybrid three component photoinitiating system for 3D printing

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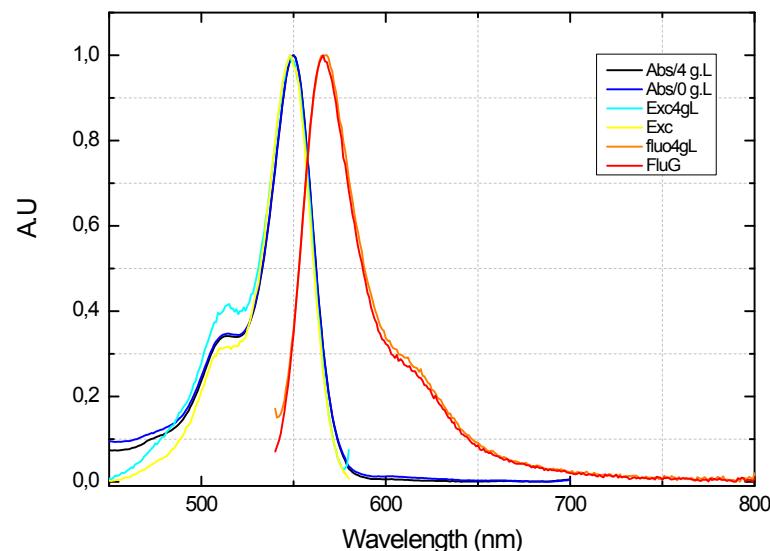


Figure ESI1: effect of clay concentration on the Optical properties of the anionic dye Rose Bengal.

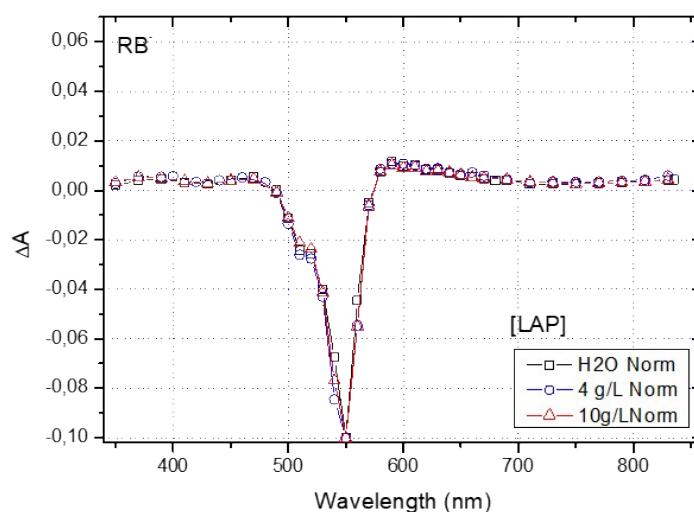


Figure ESI2: triplet excited state spectra of RB⁻ as a function of clay concentration.

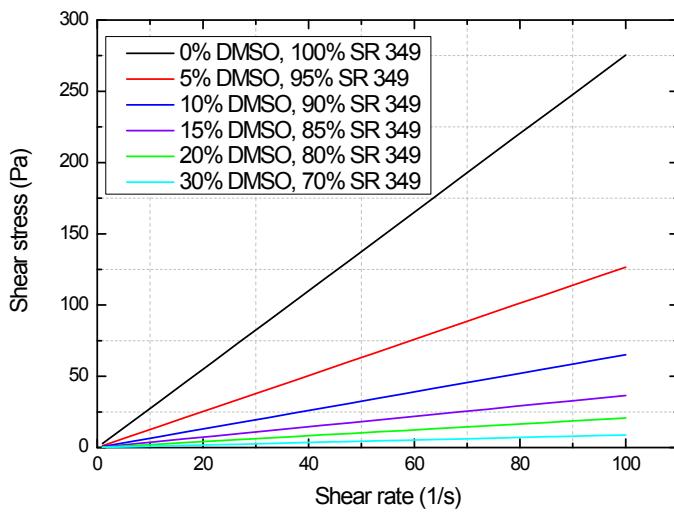


Figure ESI3: Newtonian behaviour of the DMSO SR349 monomer solution.

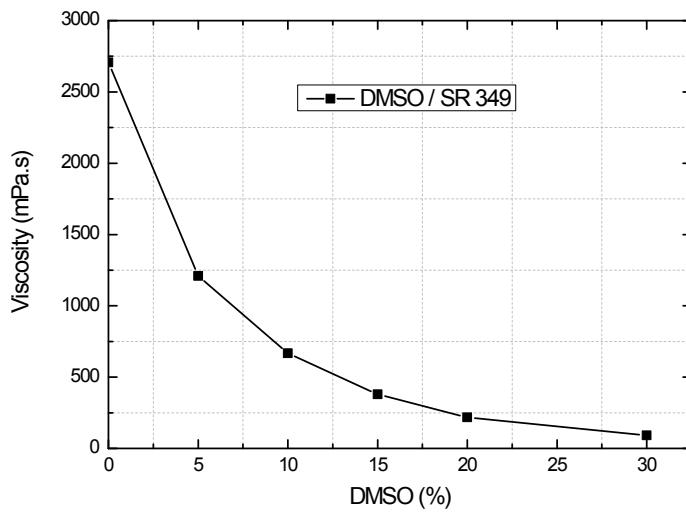


Figure ESI4: Effect of DMSO content on the monomer viscosity.

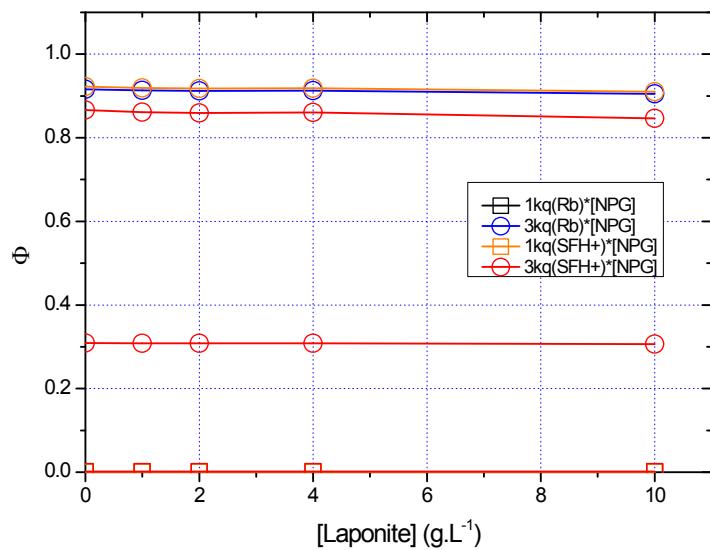


Figure ESI5: effect of clay concentration on the radical photogeneration efficiency at 10%wt DMS in monomer.

Table ESI 1: evolution of the resin viscosity as a function of [lap] at 10%wt DMSO content in the monomer

[Lap](g.L⁻¹)	Viscosity [mPa·s]
0	667
1	697
2	711
4	704
10	787

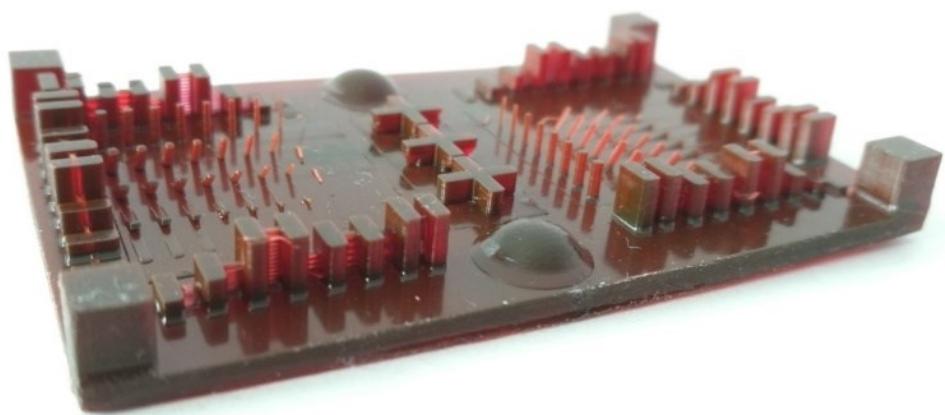


Figure ESI6: Resolution test piece obtained without Laponite®

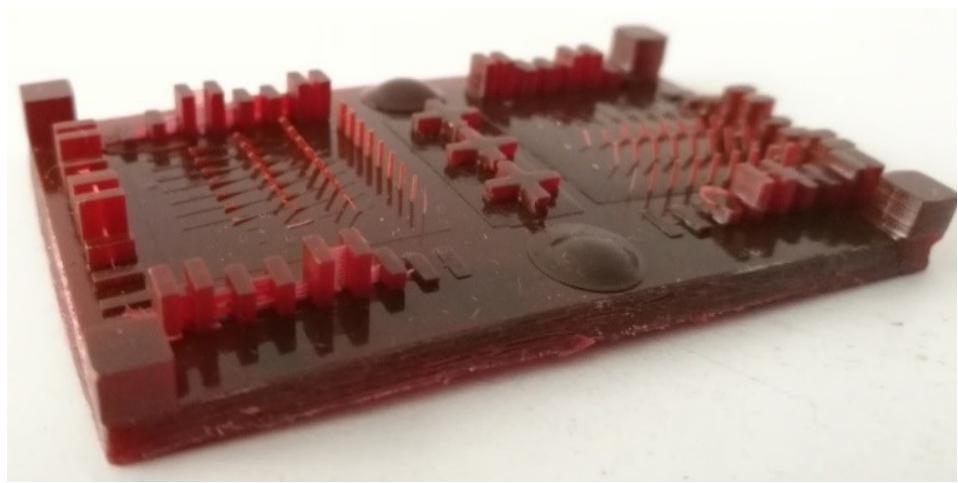


Figure ESI7: Resolution test piece obtained with 1g.L^{-1} clay.