1 SUPPORTING INFORMATION FOR READERS



Figure 1a. ESR-measurements from ten multifunctional acrylic resins after intense irradiation by 500 W xenon arc light. Clearly observable is similarity in the signals.



Figure 2a. ESR-measurements at fixed magnetic position during light-on and light-off phases. The absolute
signal intensity is not correlated with the remaining monomer content, Table 5.



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10 11 12 Figure 3a. Fitting of a modified pseudo-Voigt profile (singlet and double doublet) on spectrum of am 1. This measurement is without magnetic field correction.

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14 15 16 Figure 4a. Structure of the optimized propagation radical. The radical center and the ester lie within the paper plane.

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19 Table 1a. Calculated hyperfine coupling parameters for the different resins after full 20 irradiation by fitting a singlet and a double doublet.

resin	a_1 / mT	a ₂ / mT	stt
DTMPTA	2.4	2.2	0.29
EpAOl	3.1	1.6	0.74
CIPEA+	2.2	2.1	0.53
PEA	2.2	2.2	1.15
ArUA	2.3	2.3	0.44
PEAOl	2.2	2.2	0.87
am 2	2.4	2.5	0.81
IRR632	2.5	2.0	0.67
Vesticoat	2.5	2.0	0.56
am 1	2.8	2.0	0.61

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