Supporting Information

Facile Approach to Recycling Highly Cross-linked Thermoset Silicone Resins under Ambient Conditions

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Figure S1. SEM-EDS images with inset WCA photos of silicone resin coatings cured at 250°C: a-b) recycled with 0.1 M TBAF and c-d) 0.002 M TBAF. Magnification 100x, scale bar 300 µm. EDS map: Yellow = Si, Blue = Al.
Figure S2. a) Full and b) cropped EDS spectra of silicone resin cured at 250°C, recycled in 0.1 M TBAF/THF, and cured again at 250°C.
Figure S3. GC-MS of a) Prime and b) recycled (0.01 M TBAF) silicone resins cured at 250°C and tested at 250°C – 300°C to determine volatile contents.

Figure S4. GC-MS of silicone resin recycled in 0.1 M TBAF cured at 250°C and tested at 250°C – 300°C to determine volatile content.
Figure S5. GC-MS of a) prime and b) recycled (0.01 M TBAF) commercial silicone resin cured at 250°C and tested at 250°C – 300°C to determine volatile content