



PolyUrethane Recycling Towards
a Smart Circular Economy

Deliverable

D1.4 1-5g 0.1-0.2kg of at least three alternative (non-TAD) CAPU co-monomers for foams

WP1 – CAPU co-monomers

Project Information

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| Grant Agreement n° | 814543 |
| Dates | 1st January 2019 – 31st December 2022 |

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Publishable Summary

Within WP1 various non-TAD-based CAPU comonomers were screened on an elastomer level regarding their feasibility in polyurethane foams to enable recyclability of these materials. For some of these chemistries suitable CAPU co-monomers needed to be synthesized to allow incorporation into polyurethane materials. For two different chemistries that were investigated within WP1 straightforward synthesis protocols were developed on sufficient quantities (at least 100 g) to not only allow detailed evaluation on elastomer level, but also to supply the foam trials of WP4 with these monomers.