



## Deliverable

D1.6 Pilot scale synthesis of the urazole building block (>50kg) for foam-compatible TAD-based CAPU co-monomers

WP1 – CAPU co-monomers

### Project Information

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## Publishable Summary

The PURESmart project targets innovative solutions for polyurethane foam recycling. Within the Smart Design objectives, it is the aim to introduce new chemical building blocks (called CAPU comonomers) into polyurethane formulations that can substantially increase the intrinsic recyclability of these materials. In this deliverable, we report the achievement of the large scale synthesis (>50 kg) of a key chemical building block that is known to be able to increase the intrinsic recyclability of PU materials, as well other related thermoset or elastomer materials. This so-called pilot scale synthesis demonstrates the industrial potential and accessibility of the novel technology, and will ensure that enough material is available to probe the technology's use for improving the recyclability of PU foam materials.