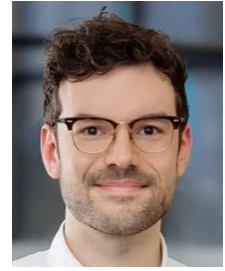


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## **SUSTAINABLE POM-CONTAINING POLYOLS FOR INDUSTRIAL ADHESIVES**

Power2Polymers is an RWTH Aachen university-based chemical start-up that produces sustainable, innovative polyether polyols in which some of the energy-intensive propylene oxide is replaced by polyoxymethylene (POM). The process is economically competitive and the production of the polyols is currently being scaled up. One of the main areas of application for POM polyols is industrial adhesives, as the polyols lead to new polyurethane adhesives that offer application advantages. Advantages for thermoplastic hotmelt adhesives include, for example, higher peel and shear strength compared to polyurethane hotmelts based on conventional polyols. The POM polyols also have sustainability advantages. Based on fossil raw materials, for example, the CO<sub>2</sub> footprint is already up to 40% lower compared to conventional propylene glycols.