

Methods, IMC, Mülhaupt

<p>Polymerization Catalysis</p> <p><i>Automated polymerization reactor</i></p>	<p>Model: <i>APS</i> Unit and Room: <i>FMF, fourth floor, R4051</i> Responsible: <i>Andreas Warmbold, 203 4800</i> Further information: <i>Andreas.Warmbold@fmf.uni-freiburg.de</i></p>
<p>Short Description:</p> <p>The APS-System is used for parallel synthesis and high-throughput screening of Catalyst particles. The influence of relevant parameters (temperatures, pressures, catalyst system or monomer pressure) can be controlled. The parallel reactor allows the automated, computer controlled and simultaneous processing of polymer synthesis with various monomers.</p> <p>Available Experiments/Techniques:</p> <p><i>Equipment for the polymerization with supported catalysts to polymerize under various condition with different polymerization parameters</i></p>	<p>Picture of the Equipment</p> 
<p>Special Equipment:</p> <p>Equipment for supported catalyst reactions with pressures up to 10 bar</p>	
<p>Measurements on the equipment are currently done by:</p>	<p><input type="checkbox"/> Students <input type="checkbox"/> Students after Introduction <input checked="" type="checkbox"/> Students after extensive training <input checked="" type="checkbox"/> Trained scientific service personal</p>
<p>Typical problems that may be solved with this instrument:</p>	<p><i>-Parallel screening of various supported catalysts</i> <i>-Variation of polymerization parameters for maximum catalyst productivity</i></p>