

The Polymer Competence Center Leoben GmbH (PCCL) is the leading Austrian center for cooperative research in the field of polymer technology and polymer science. In collaboration with companies in the polymer industry and numerous academic institutions, our around 100 highly-qualified employees jointly work in R&D projects on innovative polymer solutions for a wide range of applications, including the whole rubber composite process chain from the materials design, over processing to material characterization. We currently aim to strengthen our team and offer a

Researcher (f/m/x) / PhD position of

“Development and characterization of thermo-responsive functional polymers for industrial applications” (JOB ID 20231205)

Tasks

- Synthesis of thermo-responsive monomers and additives
- Development of functional polymer coatings and composite matrixes
- Thermal and mechanical characterization of the developed monomers, additives and polymers
- Aging and long-term studies
- Development of a test setup to analyze the thermal response of thermo-responsive polymers
- Optimization of material properties for defined industrial cases
- Close cooperation with international project partners from industry and academia and regular presentation of results
- Communication of research results to the scientific community (e.g. papers in peer-reviewed journals, oral/poster presentations at national and international conferences)

Required skills

- Above average master’s degree in polymer chemistry, organic chemistry or polymer engineering
- Knowledge in formulation of epoxy and polyurethane polymer networks
- Proof experience in thermal and mechanical characterization techniques, such as DSC, TGA or DMA.
- Structured and independent way of working
- Personal initiative, skills for self-organization and teamwork, effective communication skills with the ability to communicate with partner companies and research organizations
- Excellent skills in English; basic skills in German are advantageous

We offer

- Collaboration in a highly-motivated multi-disciplinary team with excellent contacts to industry as well as to national and international research organizations
- Fully equipped new laboratories
- A full time position (40 hours/week) with flexible working conditions
- Possibility to perform a PhD thesis
- Gross income € 3.579,- (for a classification as a PhD candidate; full-time employment, 14 times a year)
- Earliest start of employment: January/February 2024

Contact

Please send your application (motivation letter, CV) along with copies of your certificates and diplomas to jobs@pccl.at indicating the Job-ID 20231205. If you have any technical questions regarding the job advertisement, please contact daniel.bautista@pccl.at.