Polymer Synthesis and Characterisation Research Technology Platform

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@polymer_RTP

Do you have the need to further characterise your materials or have a problem you would like help solving? We offer years of expertise and top of the line analytical equipment to provide high quality service and training, both internally and externally, for polymer and material analysis and synthesis. This ranges from single samples to bespoke analysis requiring multiple instruments.

**Example clients and projects**
Molecular weights of polyolefins, polysaccharides, impurities in oil, determination of problems with batch samples, branching analysis, chemical analysis, determination of fundamental properties optimisations, synthesis and much more!

**Other capabilities**
- GC-MS/FID
- FTIR
- UV-Vis
- Particle sizing by DLS and laser diffraction
- Mechanical
- Testing
- Drop shape analyser
- HPLC
- Fluorescence spectroscopy
- Rheology

**Contact us for:**
- Analysis tailored to your needs
- Advice/method development
- On-site/off-site training courses
- Seminars/guest presentations
- Collaborations
- Academic discount available
- “The Polymer Club” event

**Thermal Analysis**
- 3 DSC with liquid nitrogen cooler capable of -150°C to high temperature
- 3 TGA/TGA-MS
- 2 DMA
- T<sub>deg</sub>, T<sub>m</sub>, T<sub>g</sub>
- Solid or liquid samples
- Mechanical properties

**SEC**
- Specialised in SEC with 8 systems in a variety of solvents and conditions
- Dedicated aqueous and high temperature systems
- BioSEC for biomaterial molecular weight and sizing
- Multiple detectors
- This includes accurate mwt. measurements and branching

**Example A**
**Example B**
**Example C**
**Example D**

**Contact us:**
- d.lester@warwick.ac.uk
- @polymer_RTP
- Search: "Warwick Scientific Services" for online booking
- https://warwick.ac.uk/services/ris/impactinnovation/impact/warwick-scientific-services/polymercharacterisation
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