PCL-Shanghai

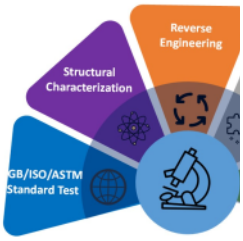
Welcome to our Shanghai Polymer Characterization Lab

PCL Leader: Magnus Pan

Specialty Polymers are innovative, top-tier solutions and **Syensqo** is the leader, offering the world's broadest portfolio of these advanced materials. Our focus is on engineering innovation and we work with our customers at the forefront of their market.

The **Polymer Characterization Lab (PCL)** team in **Shanghai Technology Center (STP)** has a key role collaborating with R&I product development (engineered materials), ADL (application development lab), commercial functions, procurement and manufacturing for the characterization and testing of all the GBU materials.

With this wiki page, you will find information about our teams, competencies and capabilities to better address your requests. We Hope it will be helpful to you. For the comprehensive information for each technique, please refer to our **handbook** (access restricted to technique colleagues).



Mission

Our Purpose is to,

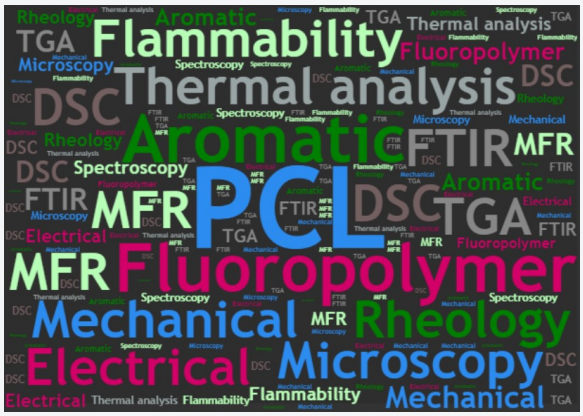
- Support business & manufacturing through **problem solving** and **unique capabilities**
- Accelerate product development through **advanced characterization capabilities and expertise**
- Leveraging and sharing of **best practices and unique analytical methods** across various functional teams globally

Who We Are

Shanghai PCL was part of China Engineered Materials previously, and just joined **Global Core Labs** team reporting to **Silvia Petricci** (Bollate Analytical and Materials Characterization department manager) since March 2023.

Besides international **ASTM/ISO/GB** references, proprietary methods are developed and applies for structural characterization and testing of the whole GBU product portfolio. Standard and complex analysis are provided with a multi-techniques approach aimed to support research development, investigate material compositions and understand the performance of materials in their final applications. We also liaise with the **corporate analytical department (ANA)**, which owns lots of advanced characterization techniques (NMR, GCMS, LCMS, SEM, ICP, etc.), as well as other third party testing resources.

Lastly, the **state-to-art techniques and methods** are keeping explored and updated to make us stay competitive.



Our Organization

Team Member	Capability Owner	Special Role

Qi Chen	DSC, TGA, FTIR, TMA (CLTE), Thermal balance	Lab operation leader, coordinator for external resource
Tingting Zhang	Optical Microscope, IV, UV-vis, Refractometer, Aging Test	Lab project leader (trouble shooting, deformulation, teardown, etc)
Xiaojie Zhou	Tensile, Flexural, Impact, HDT, LCR, MFR	Aging testing coordinator
Mengjun Guo	Shrinkage, Ash, Density, ARES, Glow Wire, Flammability, Resistivity	Wego project coordinator
Magnus Pan (Lab leader)		
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Qi Chen

Tingting Zhang

Rui W

Xiaojie Zhou

Mengjun Guo

17 Sept 2024

Quarterly update

DIGITAL / TECHNICAL	PEOPLE / ASSETS	ON GOING
• Code for Summarize a batch of tensile or flexural testing reports	• New Employee: Rui Wang() Research Associate	
• Testing specimen mapping.xlsx	• Zwick HIT25P-Added 2J Charpy hammers	

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