

# PCL-Shanghai

## Welcome to our Shanghai Polymer Characterization Lab

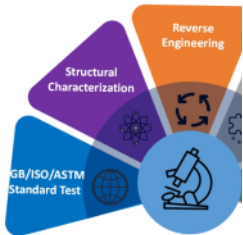
PCL Leader: [Magnus Pan](#)



**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,

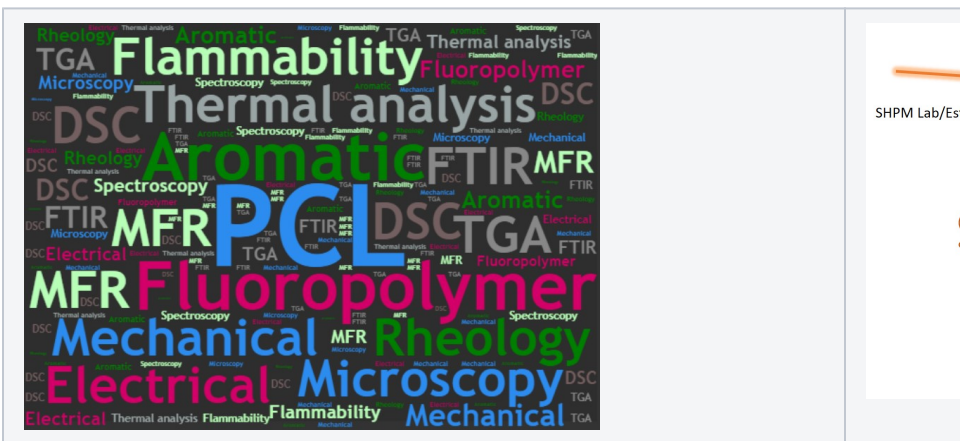
- Support business & manufacturing through **problem solving and unique capabilities**
- Accelerate product development through **advanced characterization capabilities and expertise**
- Leveraging and sharing of **best practices and unique analytical methods** across various functional teams globally

### 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.



SHPM Lab/Es

## Our Organization

| Team Member | Capability Owner | Special Role |
|-------------|------------------|--------------|
|             |                  |              |

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



17 Sept 2024

💡 Quarterly update

|                                                                                                                     |                                                                                               |                 |
|---------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-----------------|
| <b>DIGITAL</b><br><b>TECHNICAL</b>                                                                                  | <b>PEOPLE</b><br><b>ASSETS</b>                                                                | <b>ON GOING</b> |
| <ul style="list-style-type: none"> <li>Code for Summarize a batch of tensile or flexural testing reports</li> </ul> | <ul style="list-style-type: none"> <li>New Employee: Rui Wang() Research Associate</li> </ul> |                 |
| <ul style="list-style-type: none"> <li>Testing specimen mapping.xlsx</li> </ul>                                     | <ul style="list-style-type: none"> <li>Zwick HIT25P-Added 2J Charpy hammers</li> </ul>        |                 |

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