

# **CHALLENGES THROUGH THE EYES OF A POLYMER ANALYTICAL LABORATORY**

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## **ABSTRACT**

The lecture will demonstrate how Polymer Analytical Chemistry is used to solve common technical problems encountered in the plastic industry. Typical problems include the following:

- Processing
- Product failure
  - Cracking
  - Sealing problems
  - Yellowing
  - Short shot injection moulding problems
  - Etc.

The discussion will demonstrate how a polymer analytical laboratory offers technical after-sales support to both the converters and the end-users. A combination between simple analytical techniques and performance testing will be used for trouble shooting to offer assistance to polymer-producing plants as well as marketing departments. That is, offering support beyond routine quality control.

## References:

Sasol Polymers internal reports