



INEOS


Olefins & Polymers Europe

Your partner in

SERVICES &  
SOLUTIONS

Analysis, processing  
and testing

INEOS

A close-up, profile view of a young woman with freckles looking through a blue and white microscope. She is wearing a white lab coat. The background is a bright, out-of-focus laboratory setting with a window. The overall tone is professional and scientific.

**Our experience  
at your service**

**INEOS Olefins & Polymers Europe**

## Our Experience

### Knowledgeable people makes the difference

- / INEOS Olefins & Polymers Europe is the largest petrochemical division of INEOS and is a leading European producer of polyolefins
- / Long tradition in catalysts and polyolefins production, research & development through INEOS' multi-heritage history
- / Functional teams and laboratories covering the whole value chain at the same location
  - Catalyst development
  - Product & applications development
  - Quality control
  - Product stewardship
  - Analytical-testing
  - Processing
- / Large network of internal and external accessible experts: plants, associated labs, universities network



## Processing Facilities

### Flexible processing equipment makes the difference

- / Pelletisation (from 10 g to > 1 ton)
- / Extrusion
  - Blown and cast film
  - Tapes/monofilaments
  - Pipe (diam 32 to 250 mm)
- / Injection moulding (specimen, caps)
- / Compression moulding (plates, sheets)
- / Rotational moulding
- / Controlled processing machining of ISO/ASTM specimen from powders, pellets, end-use products

## Analytical and testing Tools

### Dedicated methods makes the difference

- / Molecular and solid state structure identification:  
NMR, FTIR, SEC-IR, soluble fractions, DSC, density, XRF...
- / Rheological characterisation, processing behaviour  
Capillary, dynamic, elongational rheometry
- / Testing methods for films, caps, pipes, tapes, filaments and ISO/ASTM specimen
  - Mechanical properties
  - Optical properties
  - Surface properties
  - Long term properties, ageing
- / Small scale processing, machining and testing tools and protocols
- / Characterisation of mineral or organic micro-defects on finite objects by Coupling Microscopy/FTIR and EDX scan semi-quant

# Your Benefit

## You will appreciate the difference

- / Physical & chemical characterisation
- / Identification of traces, defects, contaminants
- / Multi-layer products composition
- / Production of polyolefins standards and monitors for analytical methods
- / Accelerated and small scale testing of new formulations
- / On demand development of testing methods
- / Production of semi-finished products in pilot quantities
- / Processing problem solving

# Contacts

We are looking forward to hearing from you



**INEOS**

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## About us

INEOS is one of the world's largest chemical companies, founded in 1998. INEOS Olefins & Polymers Europe is a leading producer of olefins and polyolefins.

**INEOS Olefins & Polymers Europe** offers a full range of high value polyolefins solutions for market applications such as food and industrial packaging, pipe and automotive through dedicated sales, and technical service teams.

INEOS is a safe and environmentally responsible company. We are engaged in developing our sustainable agenda to improve our operations and to implement sustainable solutions for our customers. This includes products that offer lightweighting, energy efficiency, durability (extended lifetime) or conservation of resources. We care.



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