

An Introduction to Plastics Recycling

7-9 & 11 June 2021

Start time: 8AM London / 3PM Singapore

15-17 & 19 November 2021

Start time: 2PM London / 9AM New York

Module #1:

20 min

Welcome and introduction to the course

Delegates will share a brief introduction about themselves and their learning objectives, followed by a quick overview of the course

45 min

Waste – collection to processing

- Collection infrastructures
- Post industrial waste
- Deposit vs kerbside collection
- Difference between recycling input routes

10 min

Break

45 min

Production routes to new use

- Flake
- Pellet
- Food grade

30 min

Q&A and summary

Module #2:

45 min

Chemical recycling

- Types of chemical recycling
- Status of development
- How disruptive will chemical recycling be?

15 min

Q&A

10 min

Break

10 min

Interactive poll

A short survey giving delegates an opportunity to share their industry knowledge and opinion through series of poll questions. Answers and insights will be discussed in the next session

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Analysing market dynamics across polymers

- Overview of collection and growth rates in Europe
- Impact on virgin markets from recyclates
- Assess the impact of uncontrollable factors on recycled materials

15 min

Q&A

10 min

Summary and conclusion

Module #3:

15 min

Clarifying market terminology

- Overview of the key terms used in the recycled polymer market
- Pricing jargon—what is contract versus spot pricing?
- Who are the key market players?

15 min

Interactive session: What's that word?

Delegates share terminologies they often come across in the world of plastics recycling. This simple exercise allows the participants to draw commonalities and discover terms that they may not be familiar with

15 min

Q&A

10 min

Break

45 min

Breaking down pricing and sales processes

- Review the main price drivers for the recycled market
- How do markets function and how are prices set?
- Discuss the sales process for food grade versus flake versus bale

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Key terms quiz and conclusion

Module #4:

45 min

Future challenges for recycling technologies

- Legislative framework
- Addressing contamination
- Disruptive technologies – bio-based feedstocks, light weighting
- Influence of brand and consumer pressure
- What is the current state of recycling across European markets?

15 min

Q&A

10 min

Break

45 min

What are the end markets for recycling polymers?

- How end markets will dictate the evolution of recycle markets
- Which end markets are set to decline
- What will be the impact of the refocus on design for recycle?

15 min

Q&A

10 min

Summary and course conclusion