An Introduction to Plastics Recycling

15, 16, 17, 19 November 2021
2:00PM London / 9:00AM New York
Times shown is in London

Module #1:

2:00 – 2:20	**Welcome and introduction to the course**
2:20 – 3:05	**Waste – collection to processing** • Collection infrastructures • Post industrial waste • Deposit vs kerbside collection • Difference between recycling input routes
3:05 – 3:15	**Break**
3:15 – 4:00	**Production routes to new use** • Flake • Pellet • Food grade
4:00 – 4:30	**Q&A and summary**

Module #2:

2:00 – 2:45	**Chemical recycling** • Types of chemical recycling • Status of development • How disruptive will chemical recycling be?
2:45 – 3:00	**Q&A**
3:00 – 3:10	**Break**
3:10 – 3:20	**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
3:20 – 4:05	**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
4:05 – 4:20	**Q&A**

Module #3:

2:00 – 2:15 **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?

2:15 – 2:30 **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

2:30 – 2:40 **Break**

2:40 – 3:40 **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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3:40 – 3:55 **Q&A**

3:55 – 4:00 **Conclusion**

Module #4:

2:00 – 2:45 **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?

2:45 – 3:00 **Q&A**

3:00 – 3:10 **Break**

3:10 – 3:55 **What are the end markets for recycling polymers?**
- How end markets will dictate the evolution of recyclate markets
- Which end markets are set to decline
- What will be the impact of the refocus on design for recycle?

3:55 – 4:10 **Q&A**

4:10 – 4:20 **Summary and course conclusion**