Breakout Session Report Out



Introducing New Plastics:
Challenges and Opportunities

12/11/2019

Session Report "Volunteer"

Carson Meredith

Question 1

Do you agree with the premise that introducing new EOL plastics could reduce plastic waste? Why or why not?

- Yes, but...
- Need broad system level understanding up front
 - i.e., waste-management infrastructure needed in place
 - Not creating new / worse waste problems
- Education of design engineers and customers/users important



Question 2

What new plastics or end of life properties should be introduced to address waste plastic accumulation issues?

- Fit for purpose not overdesigned
- Benign end products of degradation
- Reversible compatibilizers if multimaterials
- ID & Sorting capabilities built in



Question 3

What are the biggest challenges associated with introducing new plastic materials to existing systems?

- Competition with incumbent material
- Cost (raw material, qualification, new CAPEX)
- Time and effort to verify properties
- Managing huge design space for new molecules



Most Important Takeaway Thought(s)

Summarize 1-3 high level takeaway points

