



IMERYS unveils how to make bio-based and compostable polymers both affordable and effective using calcium carbonates.

March 18, 2014 - Imerys presented a study on "The Use of Calcium Carbonate Based Mineral Additive in Biopolymer Composites" at the Global Plastics Environmental Conference (GPEC®) held in Orlando, Florida, March 12 - 14, 2014. Organized by SPE, the Society of Plastics Engineers, GPEC is the leading conference focusing on the unique blend of recycling, reclamation and bioplastics.

Co-author Eric Ernst, New Product Development Scientist, presented the benefits of Imerys' engineered calcium carbonates in bio-based and compostable polymers packaging applications. Benefits included:

- Reduced environmental impact by replacing resin
- Improved cooling of film bubble due to the higher thermal conductivity of calcium carbonate, which affords:
 - Greater bubble stability
 - Faster throughput
 - Faster cycle times
- Preservation of physical properties, particularly tear strength and impact resistance allowing possible downgauging of film
- Manipulation of surface finishes and printability
- Cost reduction through energy savings (by decreasing the load on equipment) and raw material cost savings (by replacing resin).

To find out more about GPEC conference, go to www.sperecycling.org. To learn more about Imerys calcium carbonate products, visit us online at www.imerys-carbonates.com.

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