

Oil and Grease Resistance Keeping You Up?

Gain insight on improved waterborne paper coating methods at TAPPICon 2022

Atlanta, GA, USA (March 10, 2022) - As the demand for more sustainable food packaging continues to grow, focus has shifted towards paper-based packaging. This in turn has increased the need for waterborne paper coatings that provide resistance to a variety of substances, including oil and grease. Robust, quantitative, and rapid performance testing is critical to ensure new products meet expectations both in a lab setting and in real-world applications.

A traditional and widely used method for evaluating oil and grease resistance (OGR) of paper food wraps is the 3M Kit test (TAPPI T559), which has some limitations, including short test time and inherent subjectivity of the operator. Another well-known method, the RP2 test developed by Ralston Purina, evaluates performance over longer periods of time at elevated temperatures, but can be time consuming from a data collection/analysis standpoint.

Coating professionals can learn about several Improvements to both testing methods at [TAPPICon 2022](#), April 30 – May 4 in Charlotte, North Carolina. Allyson Marianelli from The Dow Chemical Company will present *Advances in Oil and Grease Resistance (OGR) Test Methodology for Waterborne Barrier Coatings* as part of the Coating and Graphic Arts track. Attendees will learn about more aggressive solutions which enhance the differentiation between high-performing samples and the development of an image analysis program to reduce human error in measurement and increase experiment efficiency.

TAPPICon's Coating and Graphic Arts technical program attracts professionals from all areas of the paper coating, converting and graphic arts industries. Addressing both on-going and emerging topics of interest, the program includes expert-led presentations from industry leaders such as Valmet, TSE Troller AG, CH Polymers Oy, University of Maine, Åbo Akademi University, The Dow Chemical Company, Trinseo, RISE Research Institutes of Sweden, CEPI-Confederation of European Paper Industries, EXTR:ACT, Omya International, EFI, and Michigan State University. Track sessions include:

- Are you confused about recycling? So are we!
- No barrier for barriers!
- Actionable insights in coating
- Forward looking R&D agenda in EU
- Printing technologies
- Digital printing in packaging
- A material difference!

[Get details](#) on speakers and presentations within the Coating and Graphic Arts track.

TAPPICon 2022

Developed by technical experts and business leaders in the industry, TAPPICon helps mills identify technology solutions that address industry challenges often intensified by recruitment and retention issues. Over five days, professionals from around the world will discuss top issues, new advancements/technologies and future strategies to help drive the industry forward.

With the theme, *Racing Towards a Smart Future*, the Conference includes a comprehensive, peer-reviewed technical program focused on papermaking, papermaking fundamentals, papermaking

additives, tissue, coating and graphic arts, management, process control, recycled paperboard, and reliability and maintenance. In addition, attendees have the opportunity participate in the [5th Annual Women's Summit](#) (April 30) and [Tissue 101: Properties and Processes Course](#) (April 30 – May 1) which are co-located with TAPPICon.

Attendees will discover multiple opportunities to strengthen business relationships and engage in in-depth discussions including the popular Hot Topics Breakfast, Mill Roundtables, NASCAR Tuesday Social, and Fun Run/Walk. TAPPICon also offers a large exhibit floor and New Technology Showcase.

[View the full program](#)

Registration

Mills and other professionals eager to be part of this global discussion should register at tappicon.org by April 1st to receive an early bird discount. Mills also can receive [special discounts](#) for sending multiple people or teams.

[Register today](#) for TAPPICon 2022

For more information about TAPPICon 2022, please visit TAPPICon.org.