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SUSTAINABILITY IN POLYMER DISPERSIONS FOR TAPE AND LABEL APPLICATIONS

ABSTRACT

Today, sustainability isn't just a trend – it is a responsibility. Still, navigating through the landscape of sustainability can be challenging.

In this presentation, we highlight the options for tape and label manufacturers to increase the sustainability of their end products by smart selection of raw materials.

With a deep dive into the topic of product carbon footprint (PCF), we raise awareness to all polymer-based parts of tapes and labels that contribute to the PCF of the final product.

Bio-based raw materials can lead to a positive impact in product carbon footprint of the final product in addition to the reduction of dependency on finite resources.

Also, hazardous substances like volatile and heavy organic compounds (VOC and FOG) or the class of per- and polyfluoroalkyl substances (PFAS) face more restrictions, which need to be translated into improved product designs.

Furthermore, we will focus on recyclability evaluations for labels on fibre-based and plastic packaging, highlighting the different requirements for every raw material stream.

Synthomer's innovative product range is designed to meet the increasing demand for eco-conscious materials in pressure-sensitive applications, which we will underline with case studies and a multitude of certified testing data.