

Coating technology: a step forward towards sustainable food packaging materials

Food packaging materials, especially plastics, are regarded as a threat for the environment due to their impact upon disposal. To address this issue, the EU plastics strategy has outlined several actions, such as boosting the use of renewable materials, reducing the amount of plastics, reusing packaging objects and increasing recycling rates. As the latter is concerned, recycling can be better approached if packaging configurations are designed possibly using polymers of the same type. Accordingly, monomaterials represent a promising option towards fully recyclable materials, as long as they provide the same or better performance than conventional laminates. This talk will discuss how high-performance polyethylene monomaterials can be obtained through coating technology.