NEWS
10/19/2022

ExxonMobil to Demonstrate Performance Polymers and PE//PE Laminates Designed for Mechanical Recycling at K2022

SPRING, Texas – ExxonMobil will demonstrate sustainable solutions that incorporate mechanically recycled content with ExxonMobil performance polymers to help maintain/boost performance, and mono-material structures that are designed to help create products that are more easily recycled[1], at the booths of industry-leading machine manufacturers (OEM) at K2022. For full details and directions to these OEM collaborations, visitors should visit ExxonMobil's Information Hub (North Entrance #11).

- Solutions incorporating ExxonMobil performance polymers to help maintain or boost performance of products that include mechanically recycled content
- Mono-material solutions, like PE//PE laminates, designed to help create products that are more easily recycled
- A recycling solution that now uses an App, T.R.S.T to trace the process of turning waste fishing nets and ropes into harvesting crates
- A recycling solution that turns stand-up pouches (SUP) into heavy duty sacks

"When plastic waste is mechanically recycled, its properties can deteriorate compared to those of virgin polymers which can limit its suitability for certain applications," said global market manager Olivier Lorge. "Converters can, however, include or even increase mechanically recycled content in their formulations by using ExxonMobil performance polymers like Vistamaxx™ performance polymers and Exceed™ S performance polyethylene (PE) to help maintain or boost performance."

Other sustainable solutions on display include mono-material structures, such as PE//PE laminates, which are designed to help create products that are more easily recycled.[1] They can allow the number of components included in the formulation to be reduced, including those that can be considered more difficult to recycle, while the use of ExxonMobil performance polymers helps to meet the mechanical property requirements of the application.

OEM collaborations at K2022 demonstrate how performance polymers support the development of sustainable solutions that include mechanically recycled content or are mono-materials structures designed for recyclability.[1] These items include:

- A recycling solution that turns discarded fishing nets and ropes into harvesting crates which uses an App, T.R.S.T., recently developed by Atando Cabos. T.R.S.T. is designed to help ensure traceability from origin to end product, recording where, how and which companies collected the waste,

[1] Recyclable in communities with programs and facilities that collect and recycle plastic film

shipped it and converted it. It starts with the collection of discarded polypropylene (PP) and polyethylene (PE) nets and ropes off the coast of Chile by Atando Cabos. They are then shredded by Lindner and recycled by Erema. ExxonMobil's Vistamaxx™ performance polymers are added to help compatibilize the mixed PE/PP waste and enhance the impact strength of the new compound. The new compound is converted by Comberplast using an Engel injection molding machine into harvesting crates for Zabo Plant. *Discover more at Booth #: Hall 15/B42 – C58* and *OA Hall 16/CE08*

- A recycling solution that turns stand-up pouches (SUP) into heavy duty sacks (HDS) working in collaboration with Hosokawa Alpine (converter), Henkel (film coating, lamination, and slitting) and Univel (printing) for the SUP, and Erema (recycling) and Selene (converter and producer) for the HDS. It starts with the creation of fully recyclable[2] 96% polyethylene (PE) SUP which, as a result of using ExxonMobil performance polymers and AlOx/wet coatings, does not compromise on barrier, mechanical or optical performance. Once used, the SUPs are mechanically recycled. A new formulation, including 30-50 percent recycled content with ExxonMobil performance polymers to help boost film performance, is created for high-end, heavy-duty sacks used to package polymer resins. Key ExxonMobil performance polymers featured in this circular solution are Exceed™ S, Exceed™ XP, Enable™ performance PE polymers and Exact™ plastomers. *Discover more at Booth #: Hall 16 / D06*

"When mechanically recycled content is used in a formulation it often requires the inclusion of performance polymers to help maintain or even boost performance to meet the needs of the application," said global marketing manager Matt Loach. "The ongoing development of performance polymers, like our recently introduced Exceed™ S, can play an important part in facilitating the incorporation of mechanically recycled content."

####

About ExxonMobil

ExxonMobil, one of the largest publicly traded international energy companies, uses technology and innovation to help meet the world's growing energy needs. ExxonMobil holds an industry-leading inventory of resources, is one of the largest refiners and marketers of petroleum products, and its chemical company is one of the largest in the world. To learn more, visit exxonmobil.com and the Energy Factor.

Follow us on Twitter and LinkedIn.

Cautionary Statement: Statements of future events or conditions in this release are forward-looking statements. Actual future results, our production capacity, and the impact of the COVID-19 pandemic on ExxonMobil's business and results could vary significantly depending on a number of factors including the supply and demand for oil, gas, and petroleum products and other market factors affecting oil, gas, petrochemical and feedstock prices; the outcome of government policies and actions,

[2] Recyclable in communities with programs and facilities in place that collect and recycle plastic film

including actions taken to address COVID-19 and to maintain the functioning of national and global economies and markets; the severity, length and ultimate impact of COVID-19 on people and economies; the outcome of further research and testing; the development and competitiveness of alternative technologies; the impact of company actions to protect the health and safety of employees, vendors, customers, and communities; actions of competitors and commercial counterparties; the ability to scale pilot projects on a cost-effective basis; political and regulatory developments including actions that may favor certain types of technologies over others; the outcome of commercial negotiations; and other factors discussed under Item 1A Risk Factors in ExxonMobil's most recent annual report on Form 10-K and set forth under the heading "Factors Affecting Future Results" on the Investors page of our website at exxonmobil.com.

Public Company Information: NYSE: XOM
Contact: Media Line (832) 625-4000