

NEWS

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ExxonMobil to Demonstrate How Converters Can Rethink Film Design for Simpler Solutions Using Exceed™ S Performance Polyethylene at K2022

SPRING, Texas – ExxonMobil will demonstrate how converters can rethink film design for simpler solutions using Exceed™ S performance polyethylene (PE) at the booths of industry-leading machine manufacturers (OEM) at K2022. Visitors should drop by ExxonMobil's Information Hub (North Entrance #11) for full details and directions to all these OEM collaborations which cover a range of applications including food packaging, industrial packaging and agriculture.

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- Exceed™ S PE delivers industry leading stiffness and toughness to help simplify formulations, improve package durability and reduce film gauge
 - Exceed™ S PE-based bag-in-box, full-PE food packaging and heavy duty sacks already commercialized
 - Exceed™ S PE-based protective packaging, hygiene compression packaging, collation shrink film containing post-consumer recycled content (PCR) and agricultural silo bags being evaluated
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"Introduced in April this year, market interest in Exceed™ S PE has been phenomenal with over 200 prospective customers in 38 different countries evaluating the product in flexible packaging applications," said Exceed™ S marketing manager Tom Miller. "Leading producers have already commercialized bag-in-box liquid packaging, full-PE laminated food packaging, and heavy duty sacks for polymer resins. Eighty projects are undergoing commercial-scale trials as part of the preparations for potential commercialization. At K, visitors will have the opportunity to see for themselves the value that this high performance PE can deliver."

These commercial successes and OEM collaborations at K2022 help confirm the key attributes of this new class of performance PE, which include step-out combinations of stiffness, toughness and easy processing, underpinned by low melt pressures and often increased output. Delivering this performance using thinner films that often minimize or eliminate HDPE while improving durability, enables packaging that does more with less material.

A few of the OEM collaborations highlighting the value of Exceed™ S PE include:

- Windmöller & Hölscher (*Booth A57, Hall 17*) will run a 5-layer, 40 micron collation shrink film that contains 50 percent PCR. Exceed™ S 9243 and Enable™ 4002 are used to ensure that the film delivers acceptable holding force, stiffness, puncture and TD shrink.
- Reifenhäuser (*Booth C22, Hall 17*) will run a 5-layer, 45 micron freezer packaging film with a full R-cycle traceability program and ExxonMobil QR

Code. This film is produced including certified circular Exceed™ S PE using Exxtend™ technology for advanced recycling of plastic waste.

- Hosokawa Alpine (*Booth D06, Hall 16*) will feature Exceed™ S PE in innovative high oxygen barrier concepts. These very high PE content (96 – 97%) MDO PE//PE laminates are alternatives to multi-material structures which can be difficult to recycle. Exceed™ S, Exact™, Exceed™ XP performance PE and HDPE are used to deliver high stiffness and excellent packaging integrity thanks to high toughness and fast sealing with outstanding hermeticity. In particular, Exceed™ S PE is used in the sealant web to enhance stiffness, toughness and package durability.
- Bandera (*Booth C06-C07, Hall 17*) will run a 9-layer, 50 micron bag in box film for liquid food packaging. Exceed™ S 9272 and Exceed™ XP 8784 are used to ensure outstanding flex-crack resistance. Exceed™ S PE is used in the skins to deliver high seal initiation temperature and resistance to heat-induced blocking, while further enhancing flex-crack resistance.

“K provides a perfect opportunity to discuss the challenges our visitors are facing, and we look forward to sharing different innovative ideas and approaches to helping solve them using Exceed™ S and our broad PE portfolio,” said Miller.

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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.

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