

POLYMERS

PERFORMANCE+ INNOVATION

PACKAGING

EXTRUSION COATING



POLYMERS

THE FUTURE IS EXTRUSION COATING

Modern consumers' lifestyle patterns are changing rapidly. More and more people want convenient, safe and eco-friendly packaging for everyday products. This shift in consumer preferences and behavior has a significant impact on the plastic packaging industry. Embracing this challenge, we believe it offers a great opportunity to boost technology and material innovations. We'd like you to meet this challenge with us.

The extrusion coating market is highly specialized with very specific technical requirements. Stringent food and safety regulations make it essential to manufacture products that meet these demands in the most cost-effective and energy-efficient way.

SABIC® LDPE nExCoat 5

The extrusion coating process is commonly applied in the production of numerous packaging applications. SABIC's CTR® (Clean Tubular Reactor) technology is a state-of-the-art LDPE production process. Due to its scale and technology, it has the potential to enable the development of LDPE extrusion coating resins with significant sustainability improvements compared to standard market grades e.g. considerable carbon footprint reduction and energy savings.

Produced with SABIC's unique CTR® technology, SABIC® LDPE nExCoat 5 has a specially designed molecular structure, ideally suited to the extrusion coating process. A unique polymer, SABIC® LDPE nExCoat 5 offers customers a broad range of benefits for the entire extrusion coating value chain. In addition to significantly reducing the carbon footprint and saving energy, it has excellent sealing properties and adhesion behavior. It also offers improved process ability and high efficiency during production.

SABIC® HDPE 0863F

In addition to SABIC® LDPE nExCoat 5, we focus on the continuous development of tailor-made, high density polyethylene grades for the extrusion coating process. For example, SABIC® HDPE 0863F combines unique features such as a very low gel level, high clarity, high gloss, high stability, high temperature resistance and good process-ability.



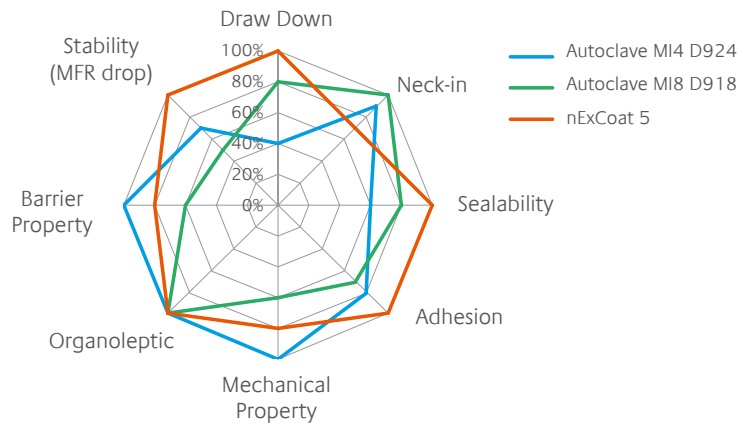
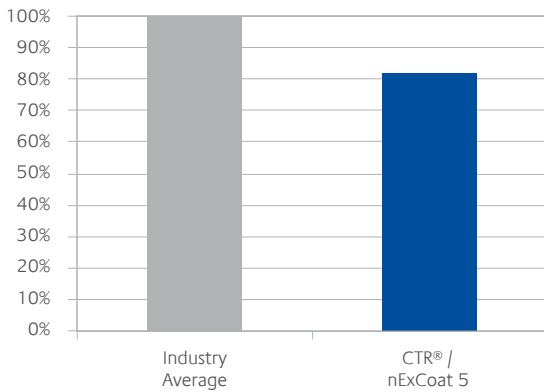
SABIC HDPE

PRODUCT NAME	MFR (g/10min) @190 C°/2.16kg	Density (kg/cm ³)	Melting T (C°)	Key features
0863F	8	963	134	Very low gel level, excellent barrier properties, good heat, oil and fat resistance. High stiffness. Good mix-ability with LDPE, to improve barrier property and mechanical property

SABIC LDPE

PRODUCT NAME	MFR (g/10min) @190 C°/2.16kg	Density (kg/cm ³)	Melting T (C°)	Key features
nExCoat 5	5	920	108	Good processing, low permeability to moisture. Excellent for high line speed and thin coating. Good heating sealing property and adhesion.

Relative CO₂ Equivalent



Extrusion coating resin production by SABIC CTR® tubular technology leads to 15-20% lower carbon footprint compared to incumbent technology

At SABIC, we work closely together with our customers to continuously improve the performance of our products to ensure we meet the demands. Our technical experts are available to offer you advice on your specific applications.

Visit our website to download the latest documents related to product regulatory affairs and compliance statements and to learn more about SABIC's portfolio: www.sabic.com.



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