PASSION FOR INNOVATION

WINDMÖLLER & HÖLSCHER

HEAVY DUTY SACK FILM

5-layer Heavy Duty Sack (HDS) film inline printed and gusseted

We demonstrate a PE HD rich 100 µm film that meets the challenging requirements of the creep test, with no compromise on toughness and dart impact resistance.

- 100-micron, 5-layer POD HDS film
- Water vapor barrier to protect product contents
- Extreme toughness and stiffness provides opportunities for step-change downgauging
- High melt strength delivers improved bubble stability for optimized converter performance

Your advantages

- Excellent sealing/hot tack properties
- Strong impact resistance
- High package integrity and load stability
- Excellent toughness/stiffness

Our partners

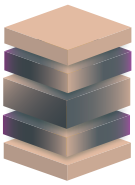
ExxonMobil
Energy lives here

HDS film with EXXON Exceed XP
Exxon Mobil made the unique balance of properties possible with its high performance polyethylene, Exceed XP. Their proprietary catalyst technology ensures an excellent processability event at limits of machine output.

Recipe

Heavy Duty Sack Film

Amount [%]	Resins		Layer thickness	Functions
85 15	mLLDPE mLLDPE	Exceed XP Enable	15 µm	Toughness; Processibility
38 55 7	mLLDPE HDPE Masterbatch	Exceed XP ExxonMobil HDPE POLYBATCH White	20 µm	Toughness; Stiffness; Colour
40 60	mLLDPE HDPE	Exceed XP ExxonMobil HDPE	30 µm	Toughness; Stiffness
38 55 7	mLLDPE HDPE Masterbatch	Exceed XP ExxonMobil HDPE POLYBATCH White	20 µm	Toughness; Stiffness; Colour
85 15	mLLDPE mLLDPE	Exceed XP Enable	15 µm	Toughness; Processibility



BUR: 1 : 1.9
Output: 500 kg/h
Thickness: 100 µm

Learn more about
HEAVY DUTY SACK FILM on OPTIMEX″ FFS:
www.wh.group/K2019

Find more information about **OPTIMEX″ FFS** on the back of the page.

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OPTIMEX″ FFS

15 – 20 % output increase with the optimal line for Heavy Duty Sack (HDS) films

The OPTIMEX″ FFS has been optimized to overcome the three main factors limiting the line output of the most commonly used recipes in Heavy Duty Sack (HDS) film production. The improved bubble stability with a new high performance cooling package leads to 15 – 20 % output increase.

A secondary cooling ring prevents blocking of the collapsed tube. Combined with new cooling ring concept it enables our customers to unlock the full potential of the line output. The products featured at live demonstrations are produced at highest output and without any anti-block additives.

The 5-layer system provides a highly flexible platform for recipe design at a groundbreaking output level.

More features

- Easy operation and well-integrated processes
- 3- or 5-layer films e.g. for petrochemicals
- Up to 6-colour inline printing including the gusset area
- Micro-perforation for powdery products available

Your advantages

- Superior line output
- Excellent film tolerances and roll quality
- Easy operation and well integrated processes

Technical Data	
Line width	650 mm
Number of film layers	3, 5
Extruder screw diameters	60, 70, 90 mm
Die diameters	160 – 180 mm
Raw Materials	PE, PP
Mono Winders	FILMATIC O (surface/center winder)

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