

POST CONSUMER COLLATION SHRINK

New collation shrink film using less natural resources through more use of recycling material (PCR)



The new collation shrink film presented by W&H is using recycled PE taken from post-consumer waste. The packaging keeps its optical and mechanical properties.

- LESS natural resources consumed with the use of new recycled PE resins
- Recycled PE is made of post-consumer waste that is mainly HDPE
- Mechanical properties and machine processability like an all virgin material

Your advantages

- ✓ All new collation shrink film with 20 % post-consumer material
- ✓ Same shrinkage and mechanical properties as a conventionally produced film
- ✓ Enabling customers to make a sustainable choice when buying packed goods

Our partners



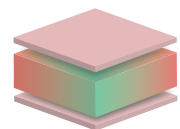
TOTAL, founded 1924 with its headquarters in France, has featured high performance collation shrinks with good balance of mechanical and optical properties for downgauging. Lumicene Supertough will also be demonstrated as a booster to improve properties of film incorporating post-consumer recycle for collation shrink.

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Recipe

Post Consumer Collation Shrink

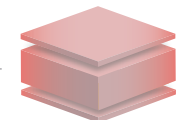
Amount [%]	Resins	Layer thickness	Functions
80 20	mPE mPE	Lumicene Supertough Lumicene	Gloss; Mechanical Properties; Sealing
60 40	rPE LDPE	PCR Blend Lotrene	Holding Force; Sustainability; Stiffness
80 20	mPE mPE	Lumicene Supertough Lumicene	Gloss; Mechanical Properties; Sealing



BUR: 1,28 - 3,4
Output: ~ 700 kg/h

Collation Shrink

Amount [%]	Resins	Layer thickness	Functions
80 10 10	mPE mPE LDPE	Lumicene Supertough Lumicene Lotrene	Gloss; Mechanical Properties; Sealing
65 35	mPE LDPE	Lumicene Supertough Lotrene	Holding Force; Stiffness; Bubble Stability; Output
80 10 10	mPE mPE LDPE	Lumicene Supertough Lumicene Lotrene	Gloss; Mechanical Properties; Sealing



BUR: 1,28 - 3,4
Output: ~ 800 kg/h



Learn more about
POST CONSUMER COLLATION SHRINK on OPTIMEX™:
www.wh.group/K2019

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



OPTIMEX[™]

3-layer and 5-layer polyolefine dedicated blown film line



The OPTIMEX[™] is suited for a wide range of films with 3- or 5-layers and combines high output rates with outstanding film quality. Many components originate from the VAREX[™] high-end product family and have been adapted for **OPTIMIZED EX**trusion, especially for PE products.

- OPTIMEX[™] extruders deliver excellent melt quality
- Field-proven MAXICONE die concept – the perfect fit for your application
- Cooling ring and profile control for OPTIMEX[™] ensure perfect film quality at maximum output and best film tolerances
- Full integration of all machine components to enable our unique control and automation system
- Long collapsing unit for excellent flatness
- Intelligent automation modules for economic production

Your advantages

- ✓ Optimized extrusion line: 3- or 5-layers for wide range of PE applications
- ✓ Cost effective blown film line with state-of-the-art technology
- ✓ Full integration of all machine components for control and automation systems by W&H

Technical Data

Line widths	1300 – 2200 mm
Number of film layers	3 or 5
Extruder screw diameters	60, 70, 90, 105 mm
Die diameters	160 – 630 mm
Raw materials	PE, PP, PLA, Ionomers, biomaterials, recycling materials
Winders	FILMATIC O (surface/center winder) FILMATIC [™] T (turret winder)



Learn more about **OPTIMEX[™]**:
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