

50% PCR COLLATION SHRINK

New Collation Shrink Film using more PCR while maintaining 100% Film Performance



OPTIMEX



Why 50% PCR Collation Shrink?

Windmöller & Hölscher is aware of its responsibility for creating sustainable packaging solutions. One strategy of sustainability is based on the concept of the circular economy.

This means that raw materials that have already been used can be used again and again in packaging solutions. The new collation shrink film presented by W&H uses recycled PE taken from post-consumer waste, while maintaining its optical and mechanical properties.

- The use of recycled PE results in lower virgin resin consumption
- The PCR is taken from post consumer LD/LLDPE waste
- Film mechanical properties and machine processability are like virgin material

Our partners

ExxonMobil



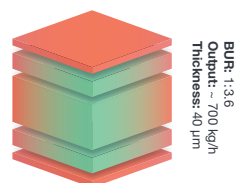
Your advantages

- ✓ All new collation shrink film with 50% post-consumer recycled material
- ✓ Same shrink values and mechanical properties as conventional, non-PCR recipes
- ✓ Enables customers to make a sustainable choice when buying packed goods

Recipe

Collation Shrink with 50% PCR

Amount	Resins	Layer thickness	Functions
75% 25%	mLLDPE LDPE	Exceed™ S Nexxstar™	3 μm Gloss; Mechanical Properties Rigidity
60% 40%	PCR LDPE	Saica Nexxstar™	7 μm Holding Force Rigidity; Shrink
60% 40%	PCR mLLDPE	Saica Enable™	20 μm Holding Force Stiffness; Shrink
60% 40%	PCR LDPE	Saica Nexxstar™	7 μm Holding Force Rigidity; Shrink
75% 25%	mLLDPE LDPE	Exceed™ S Nexxstar™	3 μm Gloss; Mechanical Properties Rigidity



Learn more about **PCR COLLATION SHRINK**:
www.wh.group/int/en/sustainability/circular_economy/using_recyclates/pcr_collation_shrink

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



NOVOFLEX[™]

NOVOFLEX[™] – Sustainability Meets Performance



While the demand for PCR material is growing, fluctuating recycling material quality and varying repeat tolerances lead to higher waste as most CI flexo presses are not yet capable of handling PCR rich material efficiently. W&H has been working with various market leading partners to further develop recycling material technology contributing to a circular economy.

Why NOVOFLEX[™]?

• Fastest speed and highest overall output

Featuring new CI frame and print decks the NOVOFLEX[™] prints any job faster. Consistent print throughout the entire speed range, less fine-tuning and faster set-ups are major positive effects.

Excellent web control minimizing the risk for web breaks, creases and guaranteeing high-speed production with minimal waste

• Resource efficiency

REPEAT CONTROL to ensure accurate and stable repeat length despite varying material properties

FILMATIC[™] C enabling precise, high speed in-line slitting with up to 800 m/min and perfect rolls of winding-critical stretch sensitive materials with minimal waste

Your advantages

- ✓ Highest production output even with most demanding jobs up to 800 m/min.
- ✓ Automated job changeovers with NOVOPORT
- ✓ Innovative doctor blade system with diaphragm or electric inking pumps
- ✓ Fully-integrated systems for intuitive handling

Technical Data

	NOVOFLEX [™] M	NOVOFLEX [™] L
Color decks	8 or 10	8 or 10
Printing width	1000/1270/1450 mm (39.4"/50"/57")	1000/1270/1450/1650 mm (39.4"/50"/57"/65")
Repeat length	max. 800 mm (31.5")	max. 1250 mm (49.2")
Press speed	500/600 m/min (1640/1960 ft/min)	400/500/800 m/min (1300/1640/2620 ft/min)



Learn more about NOVOFLEX[™]:
www.wh.group/int/en/our_products/printing/flexo_printing_presses/novoflex_ii

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