SUPER FILM
PACKAGING FILMS

SUPER FILM SUSTAINABILITY SOLUTIONS



www.superfilm.com

We know the essential contribution of packaging in protecting products that is packed. Knowing the fact that Packaging will be in our lives forever and the necessity for taking action regarding the environment, only solution is to adapt new strategies on sustainable product designs will guarantee a better future for next generations.
Super Film fully supports the objective to transform into a more circular and resource efficient future.

We are committed to enhance our contribution to that purpose by;

Designing packaging for full effectiveness and minimum environmental food print

Avoiding any leakage or littering into environment

Using minimum or limited amount of material for product design

Reusing recycled contents

Circularity to flexible packaging

Speeding up the whole process with dedication

We Grow with Sustainable Principles

We produce with high efficiency

We use energy resources responsibly

We encourage increasing of the recyclable content by using PCR

We design projects to contribute to the environment

We reduce our waste and recycle what is possible

We use renewable and sustainable raw material resources

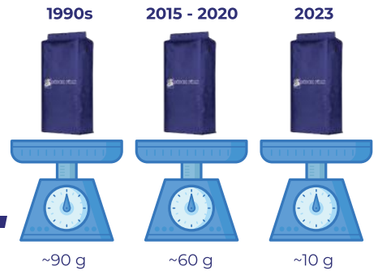
We contribute to the circular economy wiith mono-material solution

SUPER FILM
PACKAGING FILMS

Reduce
Reuse
Recycle

Reduce

SAME PERFORMANCE with LESS WEIGHT



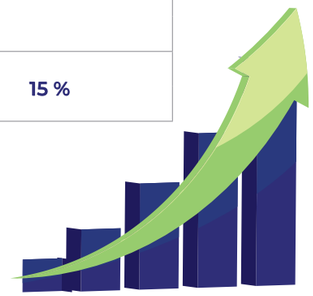
DOWNGAUGING STUDIES – BOPP & BOPET

By reducing unit packaging weight with the same functionality as standard thicknesses, we are reducing our environmental impact as well as our carbon footprint.

We have achieved up to 35% efficiency advantage with thickness reduction studies on films in different thicknesses and properties.

To date, within the scope of our thickness and weight reduction targets, up to 35% downgauging in 15 different products achieving yield advantage.

Standard Thickness	Downgauging Thickness	Efficiency
SUPLAIN 1011 20	SUPLAIN 1011 15	35 %
SUPEX 2011 & 2011 M 20	SUPEX 2011 & 2011 M 15	
SUPEX 2021 20	SUPEX 2021 15	
SUPMET 3031 20	SUPMET 3031 15	
SUPMET 6031 25	SUPMET 6031 20	
SUPERSEAL 4011 20	SUPERSEAL 4011 15	
SUPWHITE 2211 20	SUPWHITE 2211 15	
SUPWHITE 2212 MO 30	SUPWHITE 2212 MO 20	
SUPEX 2011 ML 25	SUPEX 2011 ML 20	25 %
SUPERSEAL 4111 MPH 35	SUPERSEAL 4111 MPH 25	
SUPLAIN 1312 15	SUPLAIN 1312 13	
SUPCOAT BT 7011 M1C 25	SUPCOAT BT 7011 M1C 21	
SUPCOAT BT 7011 MPC 25	SUPCOAT BT 7011 MPC 21	
PETLAIN BT 1011 12	PETLAIN BT 1011 11	15 %
PETLAIN BT 1011 CP 12	PETLAIN BT 1011 CP 10	



SUPER FILM
PACKAGING FILMS

Reuse

Rigid Trays Are Produced With Recycled Resin More And More

THINK ABOUT USING A RECYCLED LIDDING FILM

PCR CONTAINING BOPET FILMS for PACKAGING and LIDDING APPLICATIONS

PCR containing BOPET films exhibit excellent processsability and same characteristics as standard BOPET films while having signigicantly lower environmental impact.

Using food contact compliant raw materials, PCR containing PETCYCLE BOPET films can be used in direct contact Packaging and lidding applications.

Detailed LCA analysis were conducted with PCR containing film in comparison to standard BOPET films and the resulsts showed 22% CO2-eq reduction with 35% PCR containing PETCYCLE BOPET films.

PCR containing BOPET lidding films offer an increased recycle content in overall RPET tray + RPET lidding film design.

PCR films also have cost advantage since current plastic taxes (*) have exemption or lower rates when comparing the non-PCR films.

(*) Because use conditions and applicable laws may differ from one location to another and may change with time, Super Film assumes no obligation or liability for the information in this document.

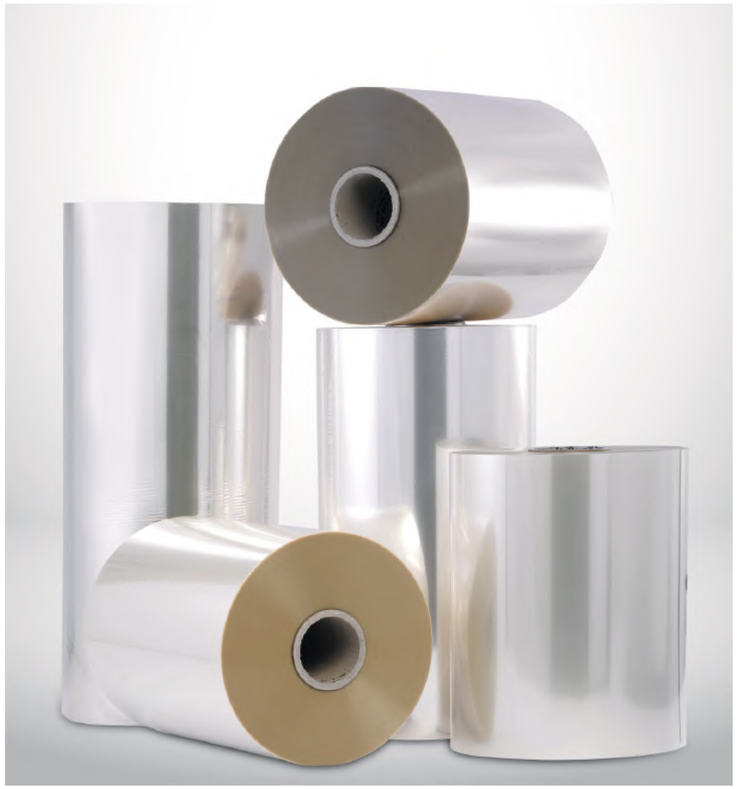
REPLACING,
DOWNGAUING, RECYCLING

WAL FILM with INNOVATIVE SUSTAINABLE SOLUTION

BOPET WAL DEVELOPMENT

Super Film offers BOPET WAL Products in order to reduce the label weight and provide an outstanding appearance after printing.

BOPET WAL films can be separated from PET bottle or other BOPP label films by incorparating marker system during printing or can be recycled with PET bottle systems if printed with washable ink systems (*).



Reduce
Reuse
Recycle

POST CONSUMER RECYCLED (PCR) BOPET WAL FILM

In order to reduce the environmental impact of label films, we offer our transparent BOPET film with post-consumer recycled (PCR) raw materials. Our PETCYCLE BT 1011 PRS contains 35% PCR.

PETCYCLE BT 1011 PRS is produced in 19 and 23 µ.

Grade	Product	Density	Thickness	Yield	Unit Weight
		(g/cm³)	(µ)	(m²/kg)	(g/m²)
Transparent	PETLAIN BT 1011 MSL	1,4	19	37,6	26,5
			23	31,1	32,1
Metallized	PETLAIN BT 1031 MSL	1,4	19	37,6	26,5
			23	31,1	32,1
Transparent (35%PCR)*	PETCYCLE BT 1011 PRS	1,4	19	37,6	26,5
			23	31,1	32,1

PETLAIN BT 1011 MSL is produced in 19 and 23 µ.

CURRENT WAL SOLUTIONS	BOPET WAL SOLUTIONS
BOPP 40 µ	BOPET 23 µ
36,4 gsm	32,1 gsm
(+) 12 % gsm weight advantage	

CURRENT WAL SOLUTIONS	BOPET WAL SOLUTIONS
BOPP 30 µ	BOPET 19 µ
27,3 gsm	26,5 gsm
(+) 3 % gsm weight advantage	

(*) Although the information and recommendations in this document is presented in good faith and believed to be correct, Super film makes no representations or warranties as to the completeness or accuracy of information. Document is supplied upon the condition that the persons receiving same will make their own determination as to its suitability for their purposes prior to use.

Reduce
Reuse
Recycle
+ Replace

+ Replace

REPLACING MULTIMATERIAL PACKS

WITH SUPER FILM MONOMATERIAL SOLUTIONS FOR CIRCULAR PACKAGING DESIGN

MONO STRUCTURES ALTERNATIVE TO MULTI PACKAGING DESIGNS

In line with our sustainable product development goals, we develop packaging structures consisting of a single type of material and offer solutions that allow the recovery of packaging after use.

Mono PP Solution for a typical flat bottom Coffee Pack

CURRENT STRUCTURE	MONO PP SOLUTIONS
PET 12 µ // Alu 12 µ // PE 80 µ	1021 SGL 20 µ // 7031 MOC 20 µ // 80 µ NP 2011 S 80 µ
112 gsm	109,2 gsm
(+) 2,5 % weight advantage (+) recyclable design	

Unit Weight İs Calculated Based On The Film Weight Only

1021 SGL works well at ambient confitions for mono PP packs.

Metal Free & Mono PP Solution for Coffee Pack Design with Superior Barrier Properties

CURRENT STRUCTURE	MONO PP SOLUTIONS
MatOPP 20 µ // PVOH // PET 12 µ // WPE 95 µ	7311 MOC 20 µ // 2212 MO 20 µ // NP 2011 S 80 µ
127,3 gsm	110,6 gsm
(+) 13,1 % weight advantage (+) recyclable design	

SINGLE STRUCTURES FOR LIDDING APPLICATIONS

For lidding applications, we can offer mono PET solutions by combining our superior PET barrier coated films with PET peelable sealable films replacing multi material laminates. In addition, PCR based PET films can be used as a base film in order to reduce the carbon impact of the total structure.

CURRENT STRUCTURE	MONO PP SOLUTIONS
PET 12 µ // PE / EVOH / PE 50 µ	PET Barrier 12 µ // Pet Pealable 21 µ
63,8 gsm	46,2 gsm
(+) 28 % weight advantage	

Unit Weight İs Calculated Based On The Film Weight Only

NON-METAL STRUCTURES

Non metal containing coated films are available and offers transparent appearance and also higher Quality of the recyclate for end of life treatment. Transparent barrier films also offers limitless printing and color design including window that shows the Product inside.

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+ Replace

GREEN PACKAGING FROM THE OCEAN

BIOPOLYMER CONTAINING BOPP FILMS

SUPEX 2011 ALG BOPP film is a new pillar in Super Film's sustainability journey! Combining conventional PP with biopolymer offers a Sustainable solution while maintaining the recylability of the film with standard PP pack designs.

Thanks to the use of algae-based resources, biopolymer was provided without affecting the food chain.

The innovative film design is awarded by WPO's WorldStar Packaging Awards in 2023!

Super Film won 2023's **WorldStar Award**

We are proud to announce that our new BOPP film is formulated biopolymer and it's Recyclable

WPO WORLD PACKAGING ORGANISATION

WORLDSTAR GLOBAL PACKAGING AWARDS

SUPRENEW BOPP FILMS – ISCC CERTIFIED FILMS with BIO-CIRCULAR FEEDSTOCK

SUPRENEW BOPP films are produced from 2nd generation renewable sources including waste oil and waste bioresources.

Film properties are same as the conventional films

Any BOPP film can be designed with renewable feedstock

ISCC PLUS certified

Reduction in CO_2 emissions

Raw material availability

No negative impact on recycling

Food contact compliant

ISCC
International Sustainability & Carbon Certification

Reduce
Reuse
Recycle
+ Redesign

REDESIGN YOUR PACK with SUPERSEAL

PRODUCTS FOR A MORE SUSTAINABLE SOLUTION

LOW SIT BOPP FILMS

SUPERSEAL low SIT BOPP films offers robust sealing performance starting from 80°C and 75°C degrees. Available in various appearance and gauges, SUPERSEAL BOPP films can be selected for a more Sustainable pack design by:

Less heat applied on sealing jaws, reducing the energy consumption during filling operation
Faster Packaging for higher efficiency

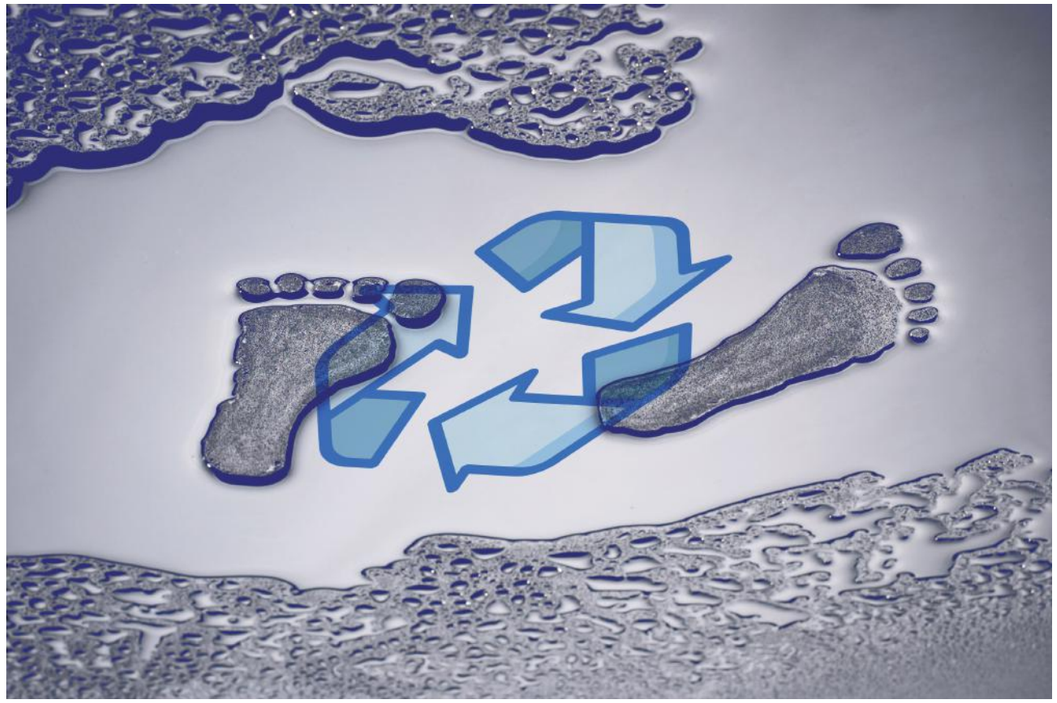
Using SUPERSEAL films on the sealant side enables BOPP film replacement of BOPET films on outer side of a laminate by lowering sealing temperature preventing sticking and deformation

Low SIT BOPP Films					
Grade	Transparent	Pearlised	Metallized	Low SIT	Properties
SUPERSEAL 4010 / 4011	■			■	
SUPERSEAL 4021	■			■	
SUPERSEAL 4111 MPH		■		■	
SUPMET 6031			■	■	
SUPERSEAL 4011 LS	■			■	75°C SIT
SUPERSEAL 4111 LS		■		■	75°C SIT

SUSTAINABILITY STUDIES

CARBON FOOTPRINT

It is estimated that the production of plastic and the incineration of plastic waste globally release around 400 million tons of CO^2 per year. As Super Film, we primarily aim to reduce our carbon footprint. Super Film conducts Corporate Carbon Footprint measurement annually with respect to ISO 14064 standards. The measurements are being assessed and validated by 3rd parties.



WATER FOOTPRINT

We perform water footprint calculations by following ISO 14046 standards. The importance of using our resources correctly by identifying our current risks in our water management and carrying out preventive actions accordingly is increased day by day in the company structure and in all units.

In addition, the calculation and verification process in water footprint management provides a strong resource for both the company and stakeholder participants when performing sustainability management.

INTERNATIONAL SUSTAINABILITY CARBON CERTIFICATE *(ISCC)*

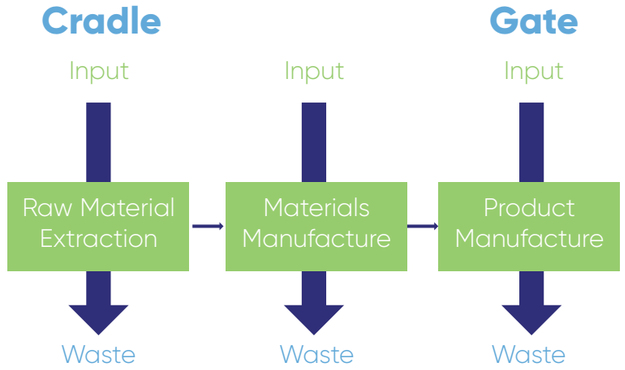
Super Film offers sustainable films with globally recognized ISCC management system. Super Film Gaziantep plant has been certified with ISCC-PLUS Certification since November 2021. We can certify circular, bio-circular and bio-based Sustainable feedstock with ISCC-PLUS Certification.

RECYCLED CONTENT VERIFICATION *(RCV)*

35% PCR Containing BOPET films are verified and certified under Intertek's Recycled Content Verification standard. The products with PETCYCLE BT 1011 PRx films are labelled with RCV logo in order to create confidence through the supply chain.

PRODUCT LIFE CYCLE *(LCA)*

Product Life Cycle Assessment is an important tool to determine the environmental impact of the Product. It is also important to have this data to calculate the end products' overall impact in terms of emissions. We know the importance of LCA analysis and have started to calculate our BOPP & BOPET films' LCA (*). The calculation has been made by Cradle to Gate approach.



OUR SUSTAINABILITY MEMBERSHIPS

We support all forms of life, especially **THE CIRCULAR ONE.**

We Produce Innovations

SUPER FILM
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SANKO