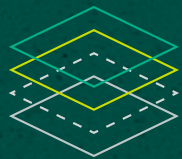




SUSTAINABLE MATERIALS FOR SELF-ADHESIVE MATERIALS



THINK
SUSTAINABLE



- Face material
- Adhesive
- Silicone
- Liner

An essential part of sustainability is the responsible use of resources of all kinds. As a manufacturer of self-adhesive custom materials, we have the means to develop the right combination of materials for your application with our modular system. We are aware of our responsibility and take it very serious when we work on making our products and processes more sustainable on a daily basis. Our product range has a leading role to fulfil in this regard.

LIGHTER WEIGHTS AND THINNER MATERIALS, LESS EMISSIONS



With VPFine, we have put together a carefully selected range that represents the perfect compromise between bulk reduction and machine and process runnability for printing and labelling. The paper weights and film thicknesses have

been deliberately chosen to be minimalistic in order to reduce the amount of material used. Less material, reduced resource consumption, decreased emissions, the same quality and more labels per roll – absolutely sensible.

VPFine			
ART. NO.	DESCRIPTION	GRAMMAGE THICKNESS	PRINTABILITY
PAPERS			
2040	Machine coated paper	40 g	conventional, TTR
2060	Machine coated paper	60 g	conventional, TTR
4470165	Thermal paper top	60 g	thermal direct, TTR
12324	Laser-/Inkjet paper matt	65 g	conventional
4470579	Thermal paper top, clean blue	70 g	thermal direct
1393299	Inkjet paper matt	70 g	dye, pigment, memjet
FILMS			
70255	PET laminating film transparent glossy NTC	12 µ	TTR
70737	PET laminating film transparent glossy UV-protection NTC	19 µ	conventional, TTR
60123	PP film transparent glossy NTC	30 µ	conventional
60553	PP film white glossy NTC	30 µ	conventional
70747	PET film transparent glossy pretreated	36 µ	conventional, TTR
70355	PET film white glossy pretreated	36 µ	conventional, TTR
60217	PP film white glossy TC	36 µ	conventional, TTR
71313	HDPE film transparent glossy NTC	40 µ	conventional, TTR
60214	PP film white glossy NTC	40 µ	conventional, TTR
60350	PP film transparent glossy TC	50 µ	conventional, TTR
60853	PP Folie silver glossy TC	50 µ	conventional, TTR
60279	PP film white glossy solid TC, Food Contact	50 µ	conventional, TTR
70428	Inkjet rPET film transparent glossy (90% PCR)	50 µ	dye, pigment, memjet
60960	Inkjet PP film white glossy ECO	55 µ	dye, memjet
LINERS			
B480	Glassine paper yellow (15% PCR)	48 g / 43 µ	one-sided silic., super-calendered, roll liner
B560	Glassine paper yellow and white	56 g / 49 µ	one-sided silic., super-calendered, roll liner
NSA500	Kraft paper	50 g / 58 µ	one-sided silic., manual dispensing, roll liner
rPET23	PET film transparent tear-proof (90% PCR)	32 g / 23 µ	one-sided silic., high-speed, no-label-look

SUSTAINABLE MATERIALS

ART. NO.	DESCRIPTION	GRAMMAGE THICKNESS	FEATURES
	PAPERS		
10662	Silphia paper (35% Silphia fibre rate)	70 g	Made from 35% Silphia fibres and 65% recycling fibres, regional availability
10711	Soda recycled paper brown ribbed	70 g	100% recycling fibres
10724	Soda recycled paper brown	70 g	100% recycling fibres
10930	Bagasse paper beige (basis: plant waste)	70 g	Made from agricultural waste
2070387	Chromo paper semi-gloss, wet- and alkali-proof (100% recycled)	70 g	100% recycling fibres, Blue Angel (german Ecolabel), EU-Ecolabel
20989	Grass paper, print-pretreated	70 g	Benefits of grass fibre: 97% less energy, 99% less water, regional availability
4470579	Thermo paper top, clean blue	70 g	No chemical developers, recycling via the waste paper cycle
1353951	Recycled paper white (100% recycled)	80 g	100% recycling fibres, Blue Angel (german Ecolabel), EU-Ecolabel, Nordic Swan
10893	Bagasse paper white (basis: plant waste)	90 g	Made from agricultural waste
10532	Grass paper, TTR printable	90 g	23% less CO2 compared to fresh fibre paper
10945	Grass paper	90 g	Benefits of grass fibre: 97% less energy, 99% less water, regional availability
10756	Recycled paper black (100% recycled)	90 g	100% recycling fibres
10442	CoffeeCup Paper®	100 g	100% recycled, there of 25% from old disposable cups and 75% waste paper
10555	Gmund Hemp 100%	120 g	100% hemp
	FILMS		
70461	rPET film transparent (90 % PCR)	23 µ	Made from 90% PCR, chemically recycled
60931	NatureFlex™ film white glossy	42 µ	Cellulose film, industrial- and home compostable
60750	NatureFlex™ film transparent glossy	45 µ	Cellulose film, industrial- and home compostable
60795	rPP film white glossy TC (55% PCR)	50 µ	Made from 55% PCR, mechanically recycled
60831	rPP film transparent glossy TC (69% PCR)	50 µ	Made from 69% PCR, mechanically recycled
70427	rPET film transparent glossy (70 % PCR)	50 µ	Made from 70% PCR, chemically recycled
70428	Inkjet rPET film transparent glossy (90 % PCR)	50 µ	Made from 90% PCR, chemically recycled
70605	PET film white matt (25% PCR)	50 µ	Made from 25% PCR, chemically recycled
70672	rPET film transparent glossy TC (90% PCR)	50 µ	Made from 90% PCR, chemically recycled
71786	rPE film white glossy TC (50% PCR)	80 µ	Made from 50% PCR, mechanically recycled
71787	rPE film transparent glossy TC (50% PCR)	80 µ	Made from 50% PCR, mechanically recycled
71471	rPE film white glossy (95% PIR)	85 µ	Made from 95% PIR, mechanically recycled
71432	Data Special rPE film white matt TC (30 % PCR)	100 µ	Made from 30% PCR, mechanically recycled
71201	Inkjet rPE film white matt (95% PIR)	105 µ	Made from 95% PIR, mechanically recycled
	LINERS		
rPET	rPET Liner transparent -473 (90% PCR)	23 / 30 / 36 µ	one-sided silic., High-Speed, No-Label-Look
NSA700	Recycled paper white -476 (70% PCR)	70 g / 90 µ	Manual dispensing, sheet liner

RECYCLABLE ADHESIVE MATERIALS – SORTED PURITY AND WASHABLE

Many factors determine whether packaging can be recycled. The greatest challenge is probably the separation and sorting of the different types of material. However, this is the only way to achieve a high material quality of the recyclate. With our wash-off adhesives, labels are easily removed from the corresponding packaging. Contamination of the recyclate by the adhesive or the printing dyes is prevented.

Developed especially for paper recycling – our adhesive „Permanent 551“. The Paper Technology Foundation (PTS) confirms that the adhesive (water-based dispersion) has no negative impact on the recycling of paper fibres.

Within the recycling process, the adhesive can be neatly separated from the paper fibres and removed; no dreaded adhesive residues are produced. Two adhesive material combinations have already been certified as recyclable by PTS –

paper-adhesive composites can therefore be added to the waste paper without any issues.

It is easier to create packaging that is single-variety. If purity of type is a priority for you: VPF has the right label made of the identical face material for almost any labelling material – customised to your requirements.



SUSTAINABLE ADHESIVES

VPF ADHESIVE	APPLICATION WEIGHT	FEATURES/APPLICATION
551	12 – 22 g/m ²	Permanent universal adhesive based on dispersion acrylate. Certified by the Paper Technology Foundation (PTS). Suited for waste paper recycling in combination with designated paper face materials, as the adhesive can be easily separated from the face material during the recycling process without leaving any residues.
602	18 g/m ²	Wash-off adhesive based dispersion acrylate, which can be washed off the substrate under the influence of water (ideally >70°C) and alkali. Suitable in particular for paper substrates.
HM 725 UV	12 – 25 g/m ²	Wash-off adhesive based UV acrylate, which can be washed off the substrate under the influence of water (ideally >70°C) and alkali. Suitable particularly for film face materials.

40% LESS CO2 – 100% VPF

Thanks to intensive efforts, VPF’s carbon footprint was significantly reduced between 2017 and 2022. As a result, approximately 40% less CO2 is emitted per square metre in the production of our adhesive materials since then. The optimisation potential was essentially identified by an energy audit according to EN 16247-1, which was carried out in 2017. This reduction was achieved by

installing a photovoltaic system, replacing thermal dryers including heat exchangers, renovating the building’s façade and switching to LED lighting, among other measures. Since the beginning of 2023, the remaining approximately 600 tonnes of CO2 emissions (Scope 1+2) have been avoided by purchasing 100% certified green electricity and natural gas.

Further information about VPF’s sustainability efforts and our journey towards climate neutrality can be found at: www.vpf.de/en/sustainability-environment-social-responsibility

POST CONSUMER = PRE INDUSTRY: VALUABLE RAW MATERIAL INSTEAD OF UNWANTED WASTE



Due to our strong focus on sustainable materials, we have a sustainable alternative for every standard material used in the industry. Regardless of whether you prefer PE, PP or PET films for your application. For each material type, we have a version with PCR (post consumer recycling) content.

Perhaps you prefer paper as a print material? No problem! We can also offer you coated, uncoated, white and brown 100% recycled papers. What effect do recycled materials have on our carbon footprint? By using a 90% rPET film, a CO2 saving of up to approx. 60% can be achieved. A recycled paper can even provide a CO2 benefit of up to 65%.

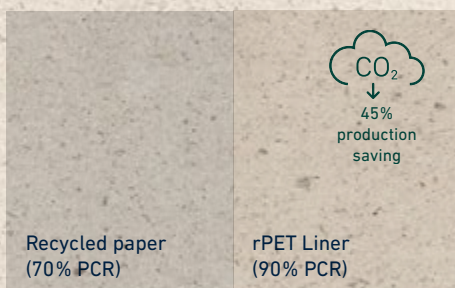
UNIQUE LOOK WITH A SUSTAINABLE TOUCH – MATERIALS FROM REGENERATIVE, SUSTAINABLE AND SENSIBLE SOURCES

Discover our range of materials from renewable sources, such as our Silphia Paper. The perfect combination of a unique look and a sustainable touch. The silphia fibre is harvested on regional land and processed into paper in Germany. The byproduct of this process is biogas. Consequently, the silphia fibre has a negative carbon footprint, which benefits the carbon footprint of the silphia bond.

Grass, sugar cane fibre, materials from agricultural waste, hemp, silphia or recycled disposable coffee cups – there are no limits to the imagination. The result is haptically and visually unique and distinct paper qualities.

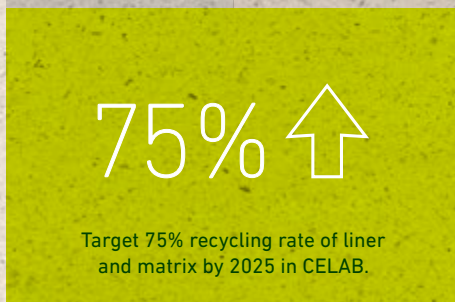


OUR PROMISE – SUSTAINABLE LINERS AND LINER RECYCLING



When it comes to our adhesive materials, we know that about a third of the material is usually only used for further processing and far too often ends up in the waste management system. To consciously keep the impact on the environment low, we work with recycled liners based on paper and film. The highly sustainable liners made of 70% recycled paper and 90% PCR PET are already in successful use. A recycled PET liner (rPET) emits up to approx. 45% less CO2 in production than a conventional PET liner.

Do not think of the liner you use as waste, think of it as a raw material. It is already possible to recycle our one-sided siliconised glassine liners. The silicone is separated and the paper fibres can be reused.



We are a member of CELAB – a consortium of various industrial leaders and companies along the supply chain of the labelling industry. Through intensive cooperation, we are working towards a mutual goal: Achieving a recycling rate of >75% for paper and film liner products and matrix waste in 2025.



Sustainable
Materials



LinkedIn



Website

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- ▶ More than 500 face materials
- ▶ Over 30 specialised adhesives
- ▶ Graduated release values
- ▶ Minimum quantities are low

All specifications provide information about our products, they do not serve as a guarantee of specific features and represent average values and our currently available empirical knowledge. The user himself is responsible for checking whether the product is also suitable for the intended use under the application-related influences. We accept liability for our products exclusively in accordance with our general terms and conditions, unless otherwise agreed. We reserve the right to make technical changes at any time. Status: 07/2024

