



# Polyethylene (PE)

## White glossy removable

### Characteristics Label

Label material	PE white glossy removable
Raw material	1905028
Adhesive bond	Rolls
Product	A white, glossy, top-coated polyethylene film.
Use	Designed for labelling applications – such as home, personal care, industrial chemical and other squeezable packages – where resistance to water, oil and chemicals is important. Suitable for overprinting using thermal transfer.

### Typical technical values

Substance	95	g/m <sup>2</sup>	DIN 53352
Caliper	96	µm	DIN 53370
Tensile strength MD	16	MPa	ISO 527/3
Tensile strength CD	15	MPa	ISO 527/3
Gloss	80	%	DIN 67530/1 60°

**Printability** Suitable for flexography, screen and offset printing methods. Thermal transfer is possible with selected wax-resin and resin ribbons.

**Advantages** Very high gloss, squeezable, good dimensional stability, good strength at low temperatures and excellent UV-stability.

**Additional info** Top-coating ensures good ink anchorage without extra corona treatment at press. There is a tendency in all PE film for slight machine-direction shrinkage as the film relaxes after die-cutting.

---

### Characteristics Adhesive

Adhesive	Removable
Type	Removable adhesive for filmic labels.
Composition	Acrylic, water-borne.
Use	Multipurpose removable adhesive that provides good long-term removability, especially from non-polar substrates such as PP and HDPE. Good UV-stability and water resistance once labelled.

### Typical technical values

Tack	6	N/25mm FTM 9
Peel 90°	6	N/25mm FTM 2
Labeling temp. min.	5	°C
Service temp. min.	-10	°C
Service temp. max.	80	°C

**Limitations** Limited adhesion on very rough surfaces. Not recommended for labelling of PVC substrates.

**Additional info** The adhesive performs as a semi-permanent solution when combined with paper faces. Removability on polar surfaces requires careful testing in each application.

**Approvals** For food labeling applications, please consult your Carl Valentin contact for the Declaration of Conformance (DoC) document for further compliance information.

---

### Characteristics Glassine

Backing	HD 70-FSC
Product	A white transparent glassine backing paper.
Use	Designed for film label materials providing a firm base for the conversion process due to high density of the material.

### Typical technical values

Substance	59	g/m <sup>2</sup>	ISO 536
Caliper	52	µm	ISO 534
Tensile strength MD	6.0	kN/m	ISO 1924
Tensile strength CD	2.3	kN/m	ISO 1924
Transparency	50	%	DIN 53147

---

**Shelf life** From date of manufacture: 12 months, under FINAT defined storage conditions (+20-25° C and RH 40-50 %). Prolonged storage at higher temperatures and/or humidity levels will shorten the shelf life.

---

---

## Disclaimer

The performance of the product should always be tested in the actual application conditions. Our recommendations are based on our most current knowledge and experience. As our products are used in conditions beyond our control, we cannot assume any liability for damage caused through their use. Users of our products are solely responsible that the product is suitable for its intended application, and have determined such at their sole discretion. Users must comply with any applicable legislation and/or testing requirements for the finished article, and are responsible for bringing their products to market.

This publication does not constitute any warranty, express or implied, and is intended only for the recipient and cannot therefore be transferred to any third party. We cannot assume any liability for the use of our products in conjunction with other materials.

All our products are sold subject to Carl Valentin's general sales conditions, and you should ensure that any existing laws are observed.

This publication replaces all previous versions. All information is subject to change without notice.

---



Carl Valentin GmbH  
Neckarstraße 78 – 86 u. 94  
78056 Villingen-Schwenningen  
Phone + 49 7720 9712 - 0 . Fax + 49 7720 9712 – 9901  
info@carl-valentin.de www.carl-valentin.de

