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# PET white semiglossy TC 50

## Permanent

### Characteristics Label

Label material	PET white semiglossy TC 50 permanent
Raw material	1904017
Adhesive bond	Rolls
Product	White, semiglossy, top-coated polyester film.
Use	Designed for durable labelling applications with good print resistance against chemicals, UV-light, heat and moisture.

### Typical technical values

Substance	55	g/m <sup>2</sup>	DIN 53352
Caliper	50	µm	DIN 53370
Opacity	92	%	ISO 2471
Gloss	13	%	ASTM D2457

**Printability** Suitable for flexography, screen and offset printing methods. Special inks designed for non-absorbent materials should be used. Thermal transfer is possible with selected wax, wax-resin and resin ribbons.

**Advantages** Good dimensional stability. High tensile strength and stiffness. High tear strength. Very good heat resistance.

**Additional info** Manufactured from a minimum of 25% recycled PET resin from post consumer waste (PET bottles).

### Characteristics Adhesive

Adhesive	Permanent
Type	Clear permanent adhesive.
Composition	Radiation-cured UV-Acrylic.
Use	Designed for labelling applications on surfaces such as steel, glass and ABS with good temperature and chemical resistance properties.

### Typical technical values

Tack	20	N/25mm FTM 9	(on glass)
Peel 180°	25	N/25mm FTM 1	(on glass)
Labeling temp. min.	5	°C	
Service temp. min.	-40	°C	
Service temp. max.	150	°C	

### Approvals

Accredited laboratory has given the adhesive an approval according to the European requirements for direct contact with dry, moist and fatty foodstuffs and according to FDA regulations adhesive may come into direct contact with dry foodstuffs or it must be separated from the foodstuffs by a functional barrier. Furthermore, the adhesive may come into contact with poultry, dry foodstuffs as well as fruits and vegetables. The laboratory has EN ISO 17025 accreditation for analytics and ISO 17065 for certification. Please see individual DoC for further information.

### Regulatory info

The adhesive is in compliance with the demands of the Code of Federal Regulations, Food and Drug Administration (FDA) , 21 CFR Ch. I (April 1, 2012 edition) § 175.105 and § 175.125.

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## Characteristics Glassine

Backing	HD 70
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	60	g/m <sup>2</sup>	ISO 536
Caliper	53	µm	ISO 534
Tensile strength MD	6.6	kN/m	ISO 1924
Tensile strength CD	2.5	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.

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## Disclaimer

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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

