

01.01.2022

# Polyester

## Silver matt TC 50 permanent

### Characteristics Label

Label material	Polyester silver matt TC 50 permanent
Raw material	1904022
Adhesive bond	Rolls
Product	Silver, matt 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	71	g/m <sup>2</sup>	DIN 53352
Caliper	51	µm	DIN 53370

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

<b>Approvals</b>	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.
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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

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#### 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

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.

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