



## Technical data sheet

# MACthene 1099 n.t.c. MR 978 GP - Century 8 White

## FACE MATERIAL

**MACthene 1099 n.t.c. is a clear gloss polyethylene film with good conversion and application properties.** Very good dispensing ability. This film must be corona treated before printing.

### Application

This product is mainly used for production of removable labels for various packaging. **\*Remark : We recommend to be very carefull when applying corona treatment on the surface. Indeed there could be a reaction with the adhesive close to the edges of the ungummed area, which could lead to release problems.**

### Technical characteristics

|                            |                          |           |
|----------------------------|--------------------------|-----------|
| <b>Thickness</b>           | 100 ± 7 µm               | ISO 534   |
| <b>Weight</b>              | 94 ± 7 gr/m <sup>2</sup> | ISO 536   |
| <b>Tensile strength MD</b> | ≥ 25 N/15mm              | DIN 53455 |
| <b>Resistance CD</b>       | ≥ 16 N/15mm              | DIN 53455 |
| <b>Glossy</b>              | ≥ 23%                    | DIN 67530 |
| <b>Transparency</b>        | ≥ 94%                    | DIN 53146 |

## ADHESIVE

**A removable high performance acrylic adhesive with medium tack, low adhesion and high cohesion. This adhesive is also available with gum pattern.**

This adhesive has excellent wetting properties and may therefore be applied below 0°C. The MR 978 adhesive performances can be affected by the application on several kind of substrates. Beside damaging the substrate, subsequent removal could be difficult. This construction is not aimed for reclosable end-uses. Therefore, in each case, trials are recommended.

**Certification :** Direct contact dry and moist non fatty foodstuffs (26321 U 08)

### Properties

|                            |                   |                      |       |
|----------------------------|-------------------|----------------------|-------|
| <b>High Speed Release</b>  | 0,31 ± 0,11       | N/25mm at 100 m/min. | FTM 4 |
| <b>Low Speed Release</b>   | 0,09 ± 0,06       | N/25mm at 300 mm/min | FTM 3 |
| <b>Quick Tack</b>          | ≥ 5               | N/25 mm on glass     | FTM 9 |
| <b>Final Peel (20 min)</b> | ≥ 3,8             | N/25 mm on glass     | FTM 1 |
| <b>Cohesion</b>            | ≥ 200             | Hours on glass       | FTM 8 |
| <b>Appl. temperature</b>   | ≥ -20°C           |                      |       |
| <b>Service temperature</b> | from -40 to +80°C |                      |       |

## BACKING

Super calendered glassine backing paper combining high flexibility and consistent calliper for speed and ease of conversion with good translucency for optical scanning. Excellent resistance to die-cutting.

### Technical characteristics

|                            |                          |           |
|----------------------------|--------------------------|-----------|
| <b>Thickness</b>           | 68 ± 4 µm                | ISO 534   |
| <b>Weight</b>              | 80 ± 4 gr/m <sup>2</sup> | ISO 536   |
| <b>Tensile strength MD</b> | ≥ 90 N/15 mm             | DIN 53455 |
| <b>Resistance CD</b>       | ≥ 50 N/15 mm             | DIN 53455 |
| <b>Transparency</b>        | ≥ 42 %                   | DIN 53147 |

**Shelf life :** 3 years when stored at 15-25°C, (50 ± 5) % relative humidity, in the original packaging.



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