



Technical data sheet

MACthene 1099 T.C. MR 980 with or without GP Century 6 HD White

FACE MATERIAL

MACthene 1099 T.C. is a clear gloss polyethylene film with a print receptive acrylic top coating*. Good conversion and application properties. Excellent dispensing ability.

Application

This product is mainly used for production of removable labels for various packaging.

*Remark : We recommend to avoid any corona treatment of 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

Thickness	100 ± 8 µm	ISO 534
Weight	96 ± 7 gr/m ²	ISO 536
Tensile strength MD	≥ 25 N/15mm	DIN 53455
Resistance CD	≥ 16 N/15mm	DIN 53455
Glossy	≥ 38%	DIN 67530
Transparency	≥ 90%	DIN 53146

ADHESIVE

A removable high performance acrylic adhesive with medium tack, low adhesion and high cohesion.

This adhesive has excellent wetting properties and may therefore be applied below 0°C. The MR 980 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

High Speed Release	0,29 ± 0,06	N/25mm at 100 m/min.	FTM 4
Low Speed Release	0,08 ± 0,04	N/25mm at 300 mm/min	FTM 3
Quick Tack	≥ 3,0	N/25 mm on glass	FTM 9
Final Peel (20 min)	≥ 2,5	N/25 mm on glass	FTM 1
Cohesion	≥ 200	Hours on glass	FTM 8
Appl. temperature	≥ -20°C		
Service temperature	from -40 to +80°C		

BACKING

High density, super calendered glassine backing paper specially designed for high speed conversion processes. The constant and consistency even compressibility of the calliper allows accurate kiss die-cutting on roll-label presses. Good translucent properties especially suited to automatic label applicators by optical scanning.

Technical characteristics

Thickness	55 ± 4 µm	ISO 534
Weight	65 ± 4 gr/m ²	ISO 536
Tensile strength MD	Typ. value 90 N/15 mm	DIN 53455
Resistance CD	Typ. value 55 N/15 mm	DIN 53455
Transparency	≥ 48 %	DIN 53147

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



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