



Technical data sheet

MACal 8100 colours n.t.c. MR 980 Century 8 White

FACE MATERIAL

Soft cadmium free vinyls, calendered, monomeric plasticized, gloss or dull finish.
Available in the following colors :

<u>Gloss</u>		<u>Mat</u>	
8103	yellow orange	8108	yellow
8105	dark yellow	8138	blue
8109	yellow	8148	green
8139	blue	8158	red
8149	green	8188	black
8159	red		
8189	black		

Application

Long life labels and outdoor use. Labels, stickers, signs, emblems, vehicle marking and other applications where conformability, longer life and resistance to weather and chemical agents are required. The material can be printed in screen, flexo, letterpress and gravure and can also be used for hot foil stamping with suitable ribbon quality.

Technical characteristics

Thickness	75 ± 6 µm	ISO 534
Weight	100 ± 15 gr/m ²	ISO 536
Gloss (20°)	≥ 45 %	DIN 67530
Dullness (85°)	± 12 %	DIN 67530

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 (29908 U 10)

Properties

High Speed Release	0,25 ± 0,10	N/25mm at 100 m/min.	FTM 4
Low Speed Release	0,06 ± 0,03	N/25mm at 300 mm/min	FTM 3
Quick Tack	≥ 3	N/25 mm on glass	FTM 9
Cohesion	≥ 200	Heures on glass	FTM 8
Appl. temperature	≥ -10 °C		
Service temperature	from -40 to +80 °C		
Shrinkage	≤ 2 mm		FTM 14

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

Thickness	68 ± 6 µm	ISO 534
Weight	80 ± 4 gr/m ²	ISO 536
Tensile strength MD	≥ 90 N/15 mm	DIN 53455
Resistance CD	≥ 50 N/15 mm	DIN 53455
Transparency	≥ 42 %	DIN 53147

Shelf life : 2 years when stored at 15-25°C, (50 ± 5) % relative humidity, in the original packaging.



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Contains more than 0.1% (w/w) of Bis(2-ethyl(hexyl)phthalate) (DEHP) CAS number 117-81-7. You can find more information on this substance on <http://www.dehp-facts.com/>