



Technical data sheet

MACal 8100 colours n.t.c. MP 312 Century 8 White

FACE MATERIAL

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

<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, drum labelling, 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.

Certification : Marine use (BS 5609)

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

Permanent acrylic adhesive with high ultraviolet and weathering resistance.

Good resistance to chemicals and heat. MP 312 offers excellent adhesion properties and cohesive strength, with inherent resistance to stringing allowing excellent convertibility.

Certification : Indirect contact with foodstuffs (28886 U 09)

Properties

High Speed Release	0,30 ± 0,06	N/25mm at 100 m/min.	FTM 4
Low Speed Release	0,09 ± 0,02	N/25mm at 300 mm/min	FTM 3
Quick Tack	≥ 12	N/25 mm on glass	FTM 9
Final Peel	≥ 12.5	N/25 mm on glass	FTM 1
Cohesion	≥ 70	Hours on glass	FTM 8
Appl. temperature	≥ + 0 °C		
Service temperature	from -20 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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All MACtac products are subject to careful quality control throughout the manufacturing process and are warranted to be of quality and free from manufacturing defects.

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Because of the variety of uses of MACtac products and the continuing development of new applications, the purchaser should carefully consider the suitability and performance of the product for each intended use, and the purchaser shall assume all risks regarding such use. The seller shall not be liable for damages in excess of the purchase price of the product nor for incidental or consequential damages. All specifications are subject to change without prior notice.

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/>

MACal 8102, 8103, 8105, 8109 contain more than 0.1% (w/w) of Lead sulfochromate yellow CAS number 1344-37-2

MACal 8102 contains more than 0.1% (w/w) of Lead chromate molybdate sulfate red CAS number 12656-85-8