



Technical data sheet

MACal 8100 colours n.t.c. MP 450-2 Century 8 White

FACE MATERIAL

Soft cadmium free vinyls, calendered, monomeric plasticized, gloss or dull finish.

Available in the following colours :

Gloss		Mat	
8189	black	8108	yellow
8103	yellow orange	8138	blue
8105-02	dark yellow	8148	green
8109	yellow	8158	red
8139	blue	8188	black
8149	green		
8159	red		

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.

Technical characteristics

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

ADHESIVE

A rubber based permanent adhesive with good tack and adhesion to a wide variety of surfaces (is not recommended for substrates containing migrating plasticizers).

UV resistance is considered as good if not exposed to direct sunlight.

Properties

High Speed Release	0,45 ± 0,10	N/25mm at 100 m/min.	FTM 4
Low Speed Release	0,11 ± 0,04	N/25mm at 300 mm/min	FTM 3
Final Peel 20 min	≥ 15	N/25 mm on glass	FTM 1
Quick Tack	≥ 13	N/25 mm on glass	FTM 9
Cohesion	≥ 60	Hours on glass	FTM 8
Appl. temperature	≥ + 5°C		
Service temperature	from -20 to +80°C		
Shrinkage	≤ 3 %	80°C – 10 min	

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	≥ 90 N/15 mm	DIN 53455
Resistance	≥ 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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