



Technical data sheet

# MACal 8189 n.t.c.

## MP 312N-2 Century 8 White

**FACE MATERIAL**

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

Gloss  
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**

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

**ADHESIVE**

**Permanent acrylic adhesive with high ultraviolet and weathering resistance.**

Good resistance to chemicals and heat. MP 312N-2 offers excellent adhesion properties and cohesive strength, with inherent resistance to stringing allowing excellent convertibility.

**Properties**

<b>High Speed Release</b>	0,30 ± 0,06	N/25mm at 100 m/min.	FTM 4
<b>Low Speed Release</b>	0,09 ± 0,02	N/25mm at 300 mm/min	FTM 3
<b>Quick Tack</b>	≥ 12	N/25 mm on glass	FTM 9
<b>Final Peel</b>	≥ 12.5	N/25 mm on glass	FTM 1
<b>Cohesion</b>	≥ 70	Hours on glass	FTM 8
<b>Appl. temperature</b>	≥ + 0 °C		
<b>Service temperature</b>	from -20 to +80 °C		
<b>Shrinkage</b>	≤ 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**

<b>Thickness</b>	68 ± 6 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 :** 2 years when stored at 15-25°C, (50 ± 5) % relative humidity, in the original packaging.



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*The products manufactured since September 2013 are DEHP free in order to fulfill the requirements of the Regulation (EC) N° 1907/2006 (REACH) in 2015.*

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