



## Technical data sheet

# MACcrystal T.C. MP 318 Crystalback

## FACE MATERIAL

**Super clear top-coated polyester film**, combined with transparent adhesive and milky backing. Very good heat resistance. High rigidity.

### Application

For the production of labels replacing direct silk screen printing on bottles, vials, ampoules, syringes, etc.

" **No label look** ". Mainly used for pharmaceuticals and cosmetics applications.

### Technical characteristics

<b>Thickness</b>	36 ± 4 µm	ISO 534
<b>Weight</b>	50 ± 5 gr/m <sup>2</sup>	ISO 536
<b>Tensile strength MD</b>	≥ 70 N/15mm	DIN 53455
<b>Resistance CD</b>	≥ 75 N/15mm	DIN 53455

## ADHESIVE

**A clear permanent acrylic adhesive with high ultraviolet and weathering resistance. Non staining adhesive. Optical clarity.**

Good resistance to chemicals and heat.

MP 318 offers excellent adhesion properties and cohesive strength, with inherent resistance to stringing allowing excellent convertibility. This adhesive is in compliance with BgVV regulations concerning direct contact with food.

**Certification** : Direct contact dry and moist non-fatty foodstuffs ( 23591 U 06 )

### Properties

<b>High Speed Release</b>	0,20 ± 0,06	N/25mm at 100 m/min.	FTM 4
<b>Low Speed Release</b>	0,04 ± 0,03	N/25 mm at 300 mm/min	FTM 3
<b>Quick Tack</b>	≥ 10	N/25 mm at 300 mm/min	FTM 9
<b>Final Peel (20 min)</b>	≥ 11	N/25 mm on glass	FTM 1
<b>Cohesion</b>	≥ 100	Hours on glass	FTM 8
<b>Appl. temperature</b>	≥ +0°C		
<b>Service temperature</b>	from -20 to +130°C		

## BACKING

Milky polyester backing used to highlight transparent face material (« no label look ») as well as for high speed dispensing applications.

### Technical characteristics

<b>Thickness</b>	36 ± 4 µm	ISO 534
<b>Weight</b>	50 ± 4 gr/m <sup>2</sup>	ISO 536
<b>Transparency</b>	≥ 87 %	DIN 53147

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



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