

# Induprint PAC 504

- ◆ Emulsion polymer based on methyl methacrylate, carboxylated

## Fields of Application:

- ◆ Let-down vehicle for water-based flexographic and gravure-printing inks (for corrugated board, card board, paper bags,...) (post-print)

## Characteristics:

- ◆ excellent transfer
- ◆ very good compatibilities
- ◆ excellent printability
- ◆ fast drying
- ◆ high viscosity stability (even with Litholrubinred)
- ◆ complies with the requirements for use in contact with food of BgVV and FDA (certificate of conformity for BgVV)

<b>Appearance</b>	:	white emulsion
<b>Solid contents</b> * (DIN EN ISO 3251)	:	39 – 41 %
<b>Viscosity at 20°C</b> (DIN 53019-1) (Anton Paar RheolabQC; MS: CC27; D=378s <sup>-1</sup> )	:	10 - 40 mPa·s
<b>pH Value</b> * (DIN ISO 976)	:	3.5 – 4.3
<b>MFFT</b> (DIN ISO 2115)	:	appr. + 55°C
<b>Glass Temperature (DSC)</b> (DIN 51007)	:	appr. + 85°C
<b>Acid value</b> * (DIN ISO 2114)	:	83 - 90 mg KOH/g solid
<b>Ionicity</b>	:	anionic
<b>Freeze/Thaw Stability</b>	:	unstable
2004-03-03 / Version 03		
* Specification values listed in our certificate of analysis		

**please turn**

# Induprint PAC 504

## Neutralization:

52.5 g	<b>Induprint PAC 504</b>
45.0 g	Water
2.0 g	Dimethylethanolamine
0.5 g	Ammonia solution 25 %

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100.0 g

Dilute **Induprint PAC 504** with water under stirring.  
Add at room temperature Dimethylethanolamine (DMEA) during 30 min.  
Then stir 15 min.  
Add 25 % ammonia solution during 15 min.  
Stir 30 min.

## Viscosity:

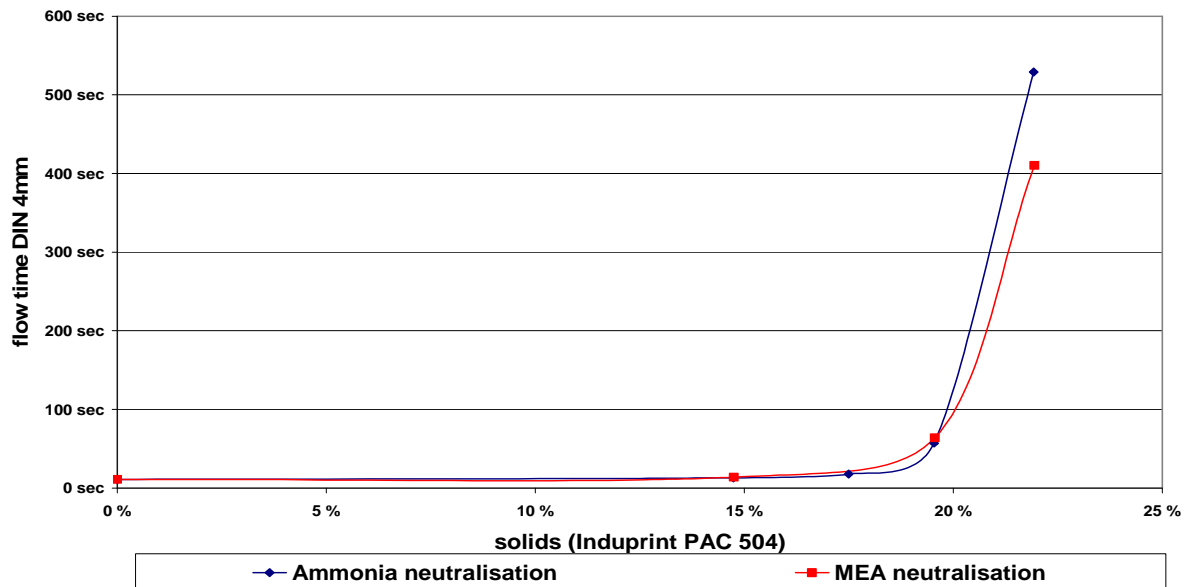
350 - 750 mPa·s (Anton Paar RheolabQC; MS: CC27; D=9.24s<sup>-1</sup>)

## Starting Formulation:

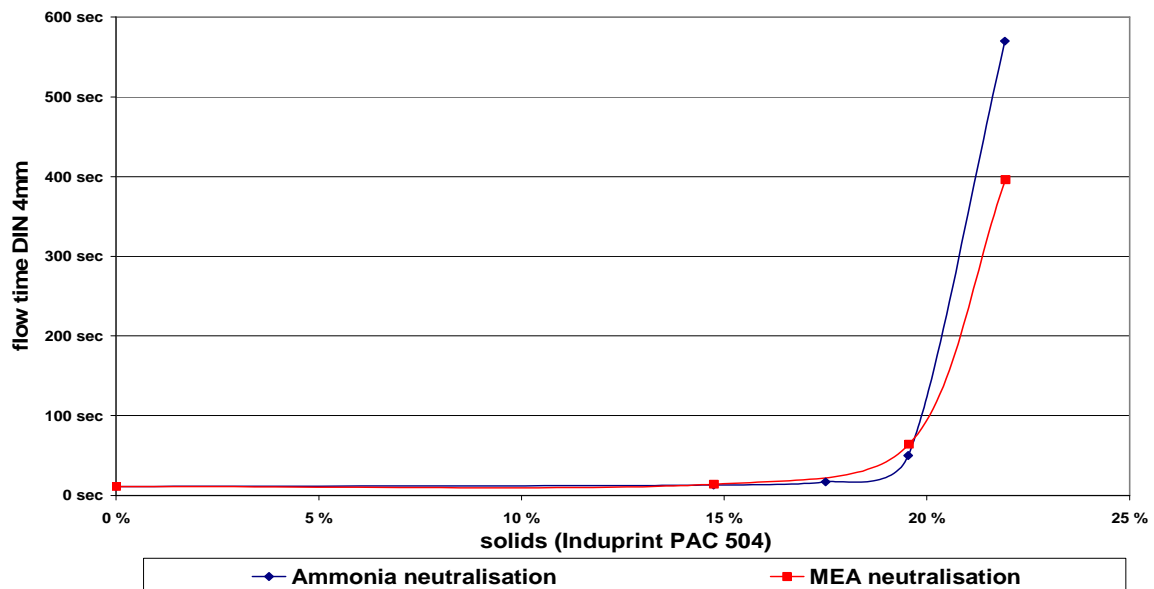
No. 43 Flexographic printing ink for paper and corrugated board

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flow time of a neutralised solution of Induprint PAC 504 after manufacturing  
(pH 8.5)

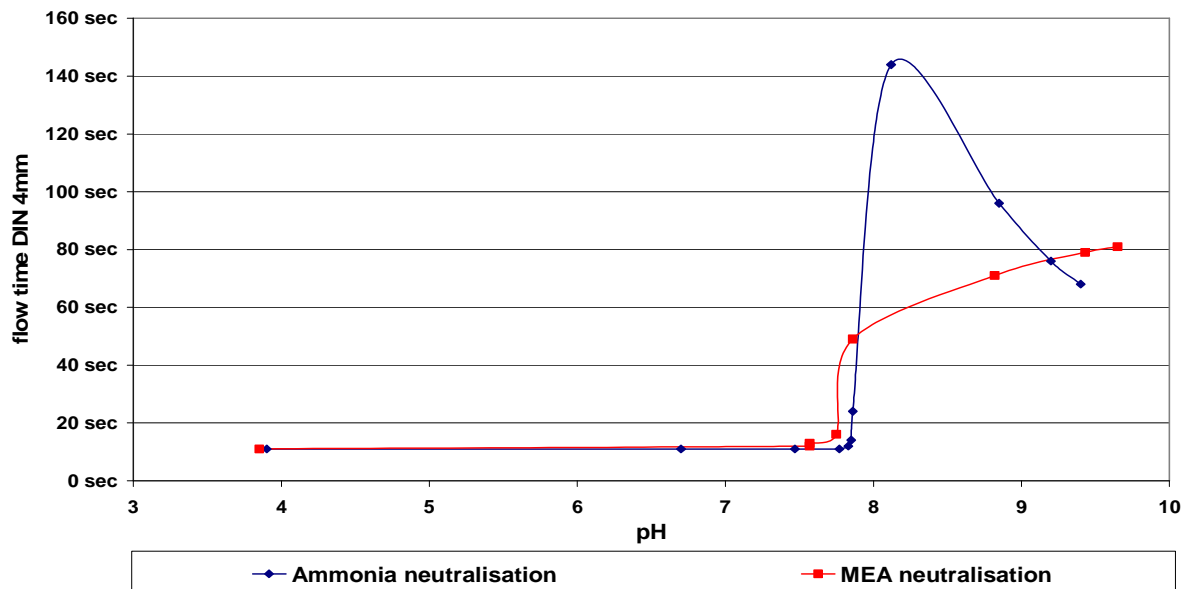


flow time of a neutralised solution of Induprint PAC 504  
after 24 h



please turn

flow time of a neutralised solution of Induprint PAC 504  
(solids appr. 20%)



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