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)

Appearance	:	white emulsion
Solid contents * (DIN EN ISO 3251)	:	39 – 41 %
Viscosity at 20°C (DIN 53019-1) (Anton Paar RheolabQC; MS: CC27; D=378s^{-1})	:	10 - 40 mPa·s
pH Value * (DIN ISO 976)	:	3.5 – 4.3
MFFT (DIN ISO 2115)	:	appr. + 55°C
Glass Temperature (DSC) (DIN 51007)	:	appr. + 85°C
Acid value * (DIN ISO 2114)	:	83 - 90 mg KOH/g solid
Ionicity	:	anionic
Freeze/Thaw Stability	:	unstable

2020-04-09

* Specification values listed in our certificate of analysis

please turn

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Neutralization:

52. 5 g	**Induprint PAC 504**
45. 0 g	Water
2. 0 g	Dimethylethanolamine
0. 5 g	Ammonia solution 25 %
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^{-1})

Starting Formulation:

No. 113 ink for paper and corrugated board
No. 206 flexo ink for paper and corrugated
No. 250 black ink for cement bags

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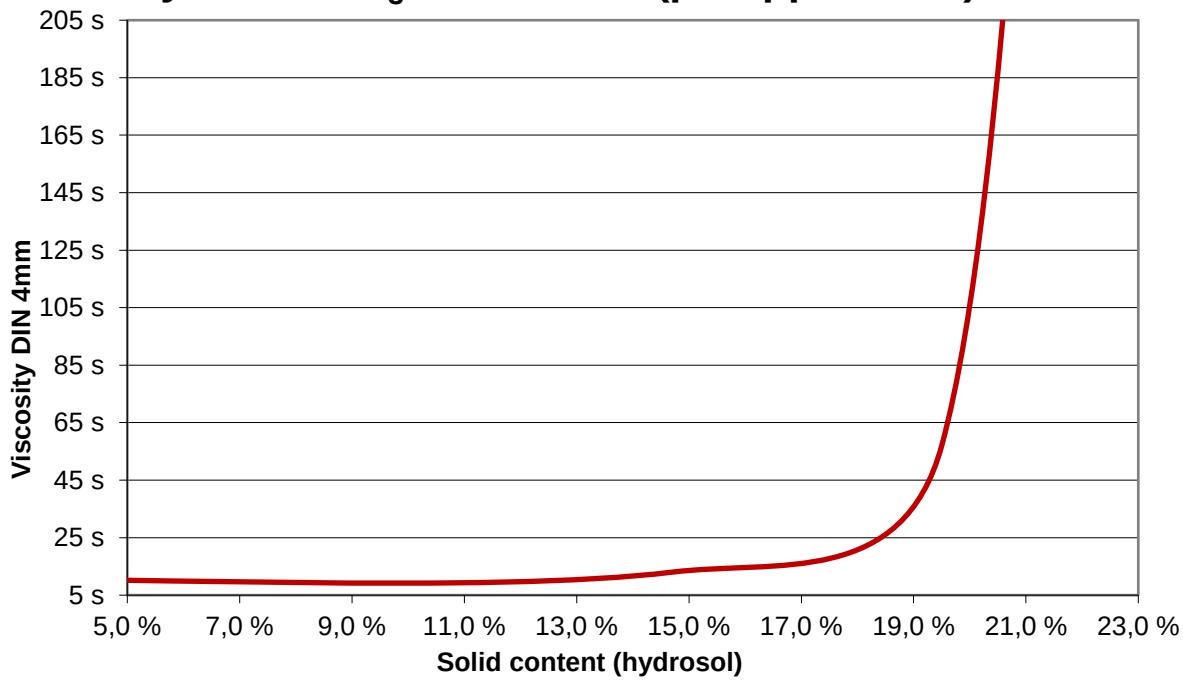
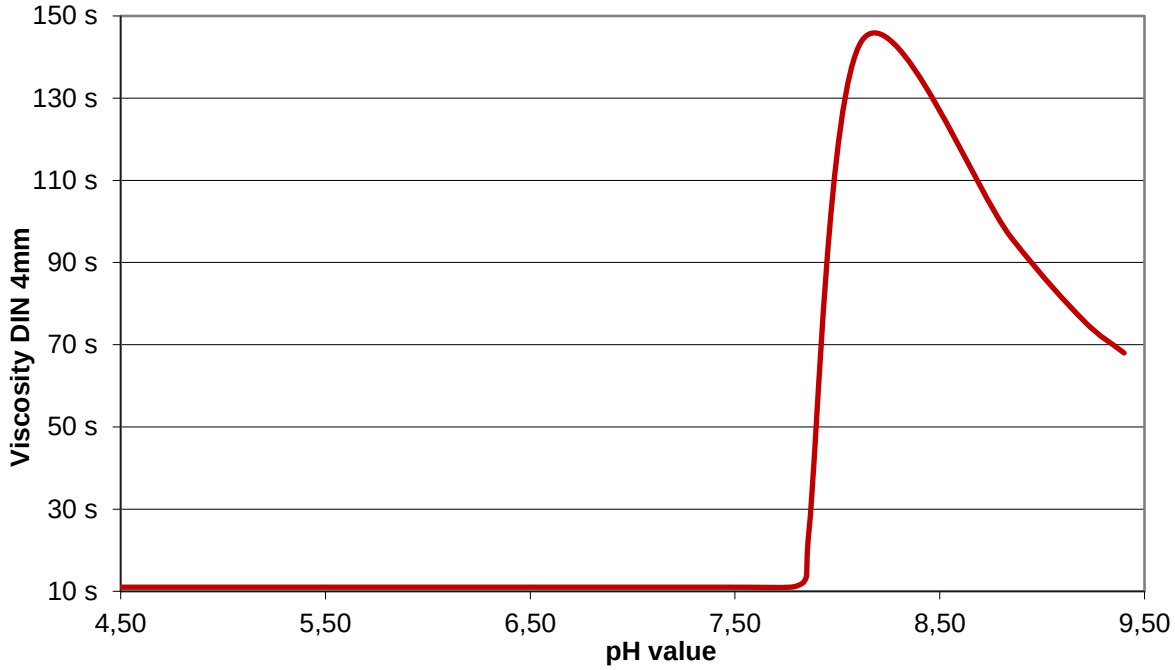
Hydrosol NH_3-neutralized (pH approx. 8.5)



Hydrosol NH_3-neutralized (approx. 20% solid)



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