

Induprint PAC 450

Provisional Data Sheet

- ◆ Emulsion polymer based on acrylates and methacrylates

Fields of Application: **Printing Inks, Overprint Varnishes, Wood Finishing and Coatings**

- ◆ Let-down vehicle for water-based flexographic and gravure-printing inks (i.e. on PVC)
- ◆ Binder for water-based lacquers (i.e. on metal, plastics or wood)

Characteristics:

- ◆ very good plasticizer and alkali resistance
- ◆ good blocking resistance

Appearance	:	white emulsion
Solids Contents * (DIN EN ISO 3251)	:	46 – 48 %
Viscosity at 20°C (DIN 53019-1) (Anton Paar Rheolab QC; MS: CC27; D = 28.9 s ⁻¹)	:	< 150 mPa·s
pH Value * (DIN ISO 976)	:	7.5 – 8.5
MFFT (DIN 53787)	:	> 90°C
Glass Temperature (DSC) (DIN 51007)	:	+ 100°C
Acid Value (DIN ISO 3682)	:	approx. 20 mg KOH/g solid
Protective Colloid	:	surfactants
Ionocity	:	anionic
Freeze/Thaw Stability	:	unstable
2019-12-05		
* Specification value listed in our certificate of analysis		

please turn

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Remarks:

Induprint PAC 450 is a very hard polymer. It is therefore necessary to modify the polymer by addition of coalescing agents (i.e. Dowanol DPM) or softer polymers to enable film formation and gloss improvement at normal operating temperatures.

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