

# Induprint SE 900

- ◆ Emulsion polymer based on styrene and acrylates

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

- ◆ Let-down vehicle for water-based flexographic and gravure-printing inks
- ◆ Binder for water-based overprint varnishes

## **Characteristics:**

- ◆ excellent gloss
- ◆ high heat resistance
- ◆ free of glycols or glycol ethers

<b>Appearance</b>	:	whitish emulsion	
<b>Solid Contents</b> * (DIN EN ISO 3251)	:	43 - 45 %	
<b>Viscosity</b> * at 25°C (DIN 53019-1) (Anton Paar RheolabQC; MS: CC27; D=121s <sup>-1</sup> )	:	260 - 330 mPa·s	I
<b>Viscosity</b> DIN 4 cup at 20°C	:	70 – 90 sec	I
<b>pH Value</b> * (DIN ISO 976)	:	7.8 – 8.3	
<b>MFFT</b> (DIN ISO 2115)	:	appr. + 86°C	
<b>Glass Temperature (DSC)</b> (DIN 51007)	:	appr. + 100°C	
<b>Acid Value</b>	:	appr. 74 mg KOH/g solid	
<b>Ionicity</b>	:	anionic	
<b>Freeze/Thaw Stability</b>	:	stable	
			2024-02-26 / Version 02
* Specification values listed in our certificate of analysis			

**please turn**

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## Remarks:

Apart from the mentioned properties Induprint SE 900 provides an excellent transfer, very good hold-out, fast drying and low foaming properties. The product is free of solvents and coalescing agents.

Induprint SE 900 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.

Gloss improvement or a softer varnish may be obtained by the combination of Induprint SE 900 with Induprint SE 245 or Induprint SE 1985.

Further improvement of the heat-seal resistance is possible by adding Indunal Z 15 (ZnO solution).

## Starting formulation:

No. 202 cheat matt OPV  
No. 207 narrow web ink  
No. 208 duct emulsion  
No. 220 high gloss low slide work and turn coating  
No. 222 printing ink  
No. 234 cost effective varnish for corrugated

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