

Induprint SE 290

- ◆ Emulsion polymer based on styrene and acrylates

Fields of Application: **Printing Inks and Overprint Varnishes**

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

Characteristics:

- ◆ very high alkali resistance
- ◆ excellent water resistance
- ◆ high gloss
- ◆ excellent pigment wetting

Appearance	:	white to pale brownish emulsion
Solid Contents* (DIN EN ISO 3251)	:	46 – 48 %
Viscosity * at 25°C (DIN 53019-1) (Anton Paar RheolabQC; MS: CC27; D = 138 s ⁻¹)	:	250 – 400 mPa·s
pH Value * (DIN ISO 976)	:	7.8 – 8.5
Glass Temperature (DSC) (DIN 51007)	:	appr. + 52°C
Acid Value	:	appr. 46 mg KOH/g solid
MFFT (DIN ISO 2115)	:	appr. + 43°C
Ionicity	:	anionic
Freeze/Thaw Stability	:	stable
		2007-08-30 / Version 03
* Specification values listed in our certificate of analysis		

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Remarks:

Induprint SE 290 is free of solvents and coalescing agents.

Induprint SE 290 is a 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 to get the desired resistances and gloss at normal operating temperatures.

Gloss improvement or a softer varnish may be obtained by the combination of Induprint SE 290 with Induprint SE 245 or Induprint SE 1985.

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