INDULOR
The Polymer Family

Indunal T 171

- Emulsion polymer based on acrylates and methacrylates, carboxylated

Fields of Application: **Printing Inks and overprint varnishes**

- Thickener for water-based overprint varnishes and flexographic and gravure-printing inks

Characteristics:

- alkali-soluble
- flat dilution curve
- excellent transfer

Appearance	:	white dispersion
Solid Contents * (DIN EN ISO 3251)	:	49 – 51 %
Viscosity at 20°C (DIN 53019-1) (Anton Paar RheolabQC; MS: CC27; D=38. 7 s^{-1})	:	< 200 mPa·s
pH Value * (DIN ISO 976)	:	3.5 – 4.5
MFFT (DIN ISO 2115)	:	appr. + 13°C
Glass Temperature (DSC) (DIN 51007)	:	appr. + 40°C
Acid Value * (DIN ISO 2114)	:	110 - 125 mg KOH/g solid
Ionicity	:	anionic
Freeze/Thaw Stability	:	unstable

2026-09-29

* Specification values listed in our certificate of analysis

please turn

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Remarks:

Indunal T 171 can be used not only as a thickener but also as a binder.

We recommend the use of Indunal T 171 for increasing of the viscosity of overprint varnishes (i.e. in combination with Induprint SE 90).

Neutralization:

30.0 g	**Indunal T 171**
70.0 g	Water
appr. 2.2 g	25 % Ammonia Solution

Viscosity: appr. 1400 mPa·s (Anton Paar RheolabQC; MS: CC27; D=9.24 s-1)

For checking of the material we recommend a pH value of 9.0.

Starting formulation:

No. 192	cost effective primer
No. 213	glossy OPV
No. 221	soft touch OPV

This data sheet is for your advice and information. Indulor disclaims any liability incurred with the use of these data or suggestions.

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