



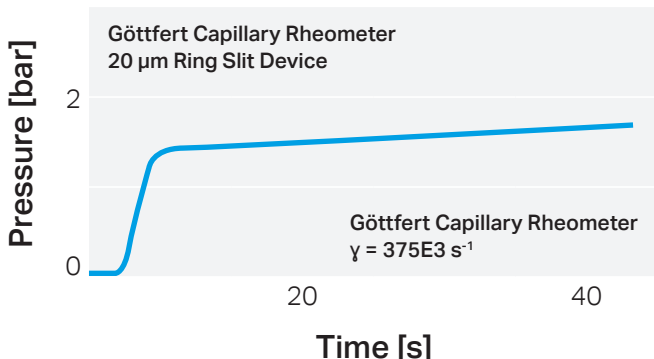
Impranil® DL 1602

INSQIN® Toolbox for Inkjet Printing

Binder system with excellent jettability, extended open times and very good fastness properties.



Impranil® DL 1602 is an **anionic aliphatic polyurethane dispersion**. The product has been designed for inkjet printing and shows an excellent stability at very high shear rates.



Impranil® DL 1602 is an essential component of more environmentally-friendly waterborne ink systems **for textiles**. Its major benefits are:

- **Excellent filterability*** and **good jetting performance**
- **Excellent resolubility** and **long open times**
- **Excellent fastness** (crock and wash)
- **Good transparency** in supply form

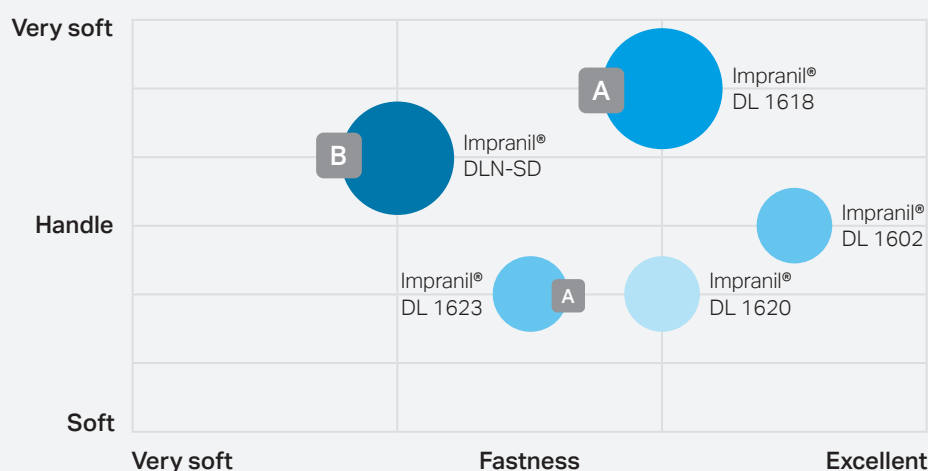
Properties

Value

Backbone	PC
Non volatile content DIN EN ISO 3215	35 %
pH value DIN ISO 976	6 - 9
Break elongation DIN 53504	600 %
Tensile strength DIN 53504	50 Mpa
Typical viscosity (23 °C, 30 rpm) DIN EN ISO 2555	< 200 mPas
Typical mean particle size	< 85 nm
T_g	- 32 °C

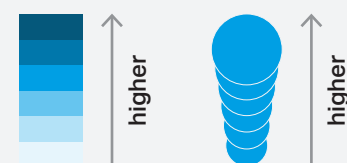
* Filterability evaluated with internal test method (5 µm and 1.2 µm PP membrane filter)

Comparison of Impranil® binder systems for digital textile printing



Viscosity*

Particle size



A Adhesive

B Blend

*Note: Viscosity at delivery form, not normalized to solid content



Covestro Deutschland AG
Kaiser-Wilhelm-Allee 60
51373 Leverkusen
Germany

coatings.covestro.com
textilecoatings@covestro.com

Want to know more about our
INSQIN® toolbox for digital
textile printing? Scan me!

