

TECHNICAL DATA SHEET

Solvent based- Polyroto

Description: Solvent based inks for roto and flexo printing.

Printable substrates:

- Polyethylene Corona treated.
- Polypropylene coextruded Corona treated - adding 5% catalyst.
- Polypropylene cast Corona treated - adding 5% catalyst (as above mentioned).
- Polypropylene bioriented Corona treated – adding 5% catalyst (as above mentioned).
- Polypropylene acrylic coated.
- Aluminium nitro primered.
- Paper: all kind.
- Cellophane PT.
- Cellophane MS (due to the variety of those films, a preliminary test is always advisable).

Main features:

- High gloss and excellent printability.
- External printing versions are suitable for both sides film printing and following print/treatment contact in the rewinded rolls.
- Low solvent retention (below 20 mg./mtq. as total acetate-alcohol with an efficient drying tunnel).
- Good thermos resistance: 160°C without adhesion promoter on Polyethylene, 170-180°C with.
- Wide range of uses for almost all flexible packaging films: lower stock costs.
- External printing version: suitable for deep freezing with addition of 5% catalyst. Please inform when ordering for this purpose and we make the relevant pigment selection.

Viscosity: 30"-80" sec

*Tested in instrument **Ford cup 4, 25°C**

Dilution:

- Rotogravure printing: 30-50% ethyl-acetate (depending on engraving depth); max 2-3% of retarder (Dowanol PM).
- Flexo printing: 10-30% mixture of ethyl alcohol 99%-ethyl acetate 8:2 for using with photopolymers.

Retarder: If necessary we suggest the use of propylene glycol monomethyl ether.

Complementary products

- Poliroto Extender Varnish (in their respective versions) to reduce strength without lowering too much the viscosity.
- Adhesion promoter

Notice:

- Catalyst addition when starting to print has the purpose to guarantee an actual adhesion on PPL.
- Such adhesion is occurring after some hours, together with a better water and heat resistance.
- It's possible to avoid the catalyst when printing on PE if the Corona treatment is at least 38 dynes/cm.
- Do not catalyze when printing on Aluminium nitro primered, paper and acrylic coated PPL.
- Do not catalyze also when printing on cellophane;
- Pay attention the catalyst could irreversibly increase through the time the viscosity of inks more or less depending on type of pigments; almost no influence on white. For this reason it's advisable to catalyze just the daily foreseen ink quantity.

Shelf life:

12 months from the date of the production.



General notes: The data presented are based on experience and knowledge accumulated over the years. We reserve the right to update and/or change it without notice.

Obtaining the desired results is contingent upon correct product application while adhering to instructions of use. Please ensure you check before applying the product that it is indeed designed for the intended usage and that the surfaces to be printed are properly suitable to apply the product.