

TEXALFLEX

(Also known as Texal)



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Hi-Tech Inks

This is a flexographic ink system originally developed from the highly successful gravure ink system Technivure. It is suitable for polyethylene, uncoated cellophane, co-extruded and orientated polypropylene, paper, boards, treated nylon and metalised films and foils (if washed with Nitrocellulose, Shellac or a water based primer).

Properties

- Water-resistant
- Oil resistant
- Heat resistant up to 180°C
- Good jaw release
- Excellent flexibility
- Good scuff resistance
- Block resistant (ink to ink or ink to film)
- Low odour
- Good solvent release
- High gloss
- Non-toxic
- Low solvent retention
- Low foaming characteristics
- Light fast depending on pigment selection
- Excellent adhesion
- Freeze resistance, depending on the severity, but if higher resistances is required, the Polyfreeze system should be utilised.

Reducer

Ethyl Alcohol:

To speed drying: add Ethyl Acetate (keep addition levels as low as possible to avoid damage to the plates)

To retard drying: add Dowanol (no more than 10%) or Ethoxy Propanol.

Viscosity

Supply viscosity: 40-50 sec Zahn #2 @ 25°C.

Print viscosity: 30-35 sec Zahn #2 @ 25°C.

Colour Range

Single pigment blending ranges available as well as specifically matched colours (spot colours).

When printing PTMA colours there is a risk of migration, so when printing polyethylene the recommendation is to print and bag as soon as possible.

General

Synthetic rubber is preferable for stereotypes and rollers because of the ester content. Light and soapresistances is dependant on pigment selection.

Washup

For wash up purposes the recommended reducing solvent is required.

BCF

These inks have been formulated in accordance with the recommendation of the British Coatings Federation.

Waste disposal

Care should be exercised in the disposal of printing ink waste. This should be carried out in accordance with good industrial practice observing all the appropriate regulations including the relevant guideline notes to the Environment Conservation Act and Regulations (73/1989).

Health and Safety

Full details appear on the Material Safety Data Sheets

The information outlined in this data sheet is given in good faith but does not constitute a guarantee. Since conditions of handling and application are beyond our control, the converter should assure himself of the suitability of the product for the particular end use.

It is recommended that advice be taken from Hi-Tech Inks' Technical Department for all new applications and it is preferable for trials to be carried out before full production runs are commenced.