



**A very successful flexographic and gravure printing ink system. This system is specifically designed for lamination suitable for polypropylene (co-extruded and orientated) such as GND and SND providing treatment level exceeds 38 dynes/cm and the correct amount of adhesive is applied. Has good gloss and adhesion to polypropylene. The scuff resistance is moderate due to the lack of waxes for lamination purposes. The main application is BOPP snack food packaging.**

#### **Properties**

- Water-resistant
- Oil resistant
- Heat resistant up to 180°C
- Good jaw release
- Excellent flexibility
- Block resistant (ink to ink or ink to film)
- Low odour
- Good solvent release
- Non-toxic
- Excellent bond strengths (350gsm/25mm can be expected)
- Low solvent retention
- Low foaming characteristics
- Light fast depending on pigment selection
- Moderate scuff resistance

#### **Reducer**

Ethanol  
To speed drying: add Ethyl Acetate  
To retard drying: add Dowanol (no more than 10%)

#### **Viscosity**

##### White flexo:

Supply viscosity: 40-45 sec Zahn #2 @ 25°C  
Print viscosity: 25-34 sec Zahn #2 @ 25°C

##### Colour flexo:

Supply viscosity: 40-45 sec Zahn #2 @ 25°C  
Print viscosity: 25-35 sec Zahn #2 @ 25°C

#### **Viscosity**

##### White gravure:

Supply viscosity: 40-45 sec Zahn #2 @ 25°C  
Print viscosity: 19-25 sec Zahn #2 @ 25°C

##### Colour gravure:

Supply viscosity: 40-45 sec Zahn #2 @ 25°C  
Print viscosity: 19-25 sec Zahn #2 @ 25°C

#### **Colour Range**

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

#### **Washup**

Synthetic rubber is preferable for stereotypes and rollers because of the ester content. For wash up purposes the recommended reducing solvent can be utilised. Light and soap resistances are dependant on pigment selection. When printing PTMA colours there is a risk of migration

#### **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.