

83247 TECHNICAL DATA SHEET

83247 is a range of gravure inks that has been specifically formulated for surface printing co-extruded polypropylene and certain other films that are meant to be surface printing

Films printed with **83247** are being used for packaging a wide range of products. The low solvent retention characteristics make it suitable particularly where high scratch resistance is a main requirement.

PROPERTIES

The properties of **83247** have been designed to meet the specification requirements of the film market, where printability, scratch and water resistance is more important. It include:

- ? Very Good adhesion and Gloss level.
- ? Low solvent retention.
- ? High scratch and Water resistance.
- ? Good Blocking and Acid resistance.

83247 is not recommended for high temperature applications such as steam sterilization.

SUBSTRATES

83247 is normally for surface printing of co-extruded polypropylene, and poly ethylene treated films.

83247 can also be used surface on certain films such as high wax content polythene. The end use requirements must be checked before printing.

A key temperature of 65-70°C (web) is normally sufficient to achieve adhesion to heat sensitive polyolefin films. However, the actual temperature can vary with substrate, process and press conditions.

REDUCTION

Normal : 83060-1018

Dependent upon press speed and press

Drying capacity.

It is essential to ensure solvent removal, especially with slow drying solvents, to avoid blocking and to maintain the low odour properties of **83247**, as even small quantities of 'clean' solvent may cause odour and taint problems.

No guarantees for our ink can be given if the above solvent reduction is not followed. The use of other solvents and solvent blends are known to cause problems such as blocking, odour and reduced bond strength. In extremely severe cases the wrong solvent can cause "Ink Chunk Out".

COLOUR RANGE

83247 is available in a wide colour range, only occasionally limited by selecting pigments suited to the requirements of the end use. These inks may not be suited to extended exposure to direct sunlight.

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.

WASH UP

83060-1004

This information has been carefully compiled from experience gained in the laboratory and under commercial conditions. However, the product's performance and its suitability for the customer's purpose depend on the particular conditions of use and the material being printed. We recommend that the customers satisfy themselves that each product meets their requirements in all respects before commencing a print run. Since we cannot anticipate or control the conditions under which our products are used it is not possible to guarantee their performance. All sales are subject to our standard terms and conditions of sale. We would point out the information contained in this leaflet is only a recommendation and may need to be altered to suit the conditions and efficiency of the equipment employed. *ink* products are not designed for use in conjunction with those of any other ink maker or similar supplier unless agreed to in writing.