

PRODUCT DATA SHEET

FLEXO POLARCUP

83239 is a range of nitrocellulose derived flexographic and gravure inks for printing paper substrates that are used for packaging and related applications. The inks sold under this quality will be formulated to meet the demands of each particular substrate and end use and will include those for the following application:

TYPICAL APPLICATIONS

Gift Wrap

High strength flexo and gravure inks giving good quality prints having the necessary rub resistance for this type of work.

Overwraps

Paper is a commonly used material for overwrapping (bundle wrapping) of cartons and similar products. **83239** can be formulated to meet the requirements of this market.

Paper Cups

Has the necessary rub, water and heat resistance that meets the requirements for disposable paper cup printing.

Laminates

Paper / polyethylene and paper / foil / polyethylene laminates require inks having the ability to withstand high heat-sealing temperatures and to be resistant to catalytic and overprint varnishes.

General Print and Decoration

83239 can be formulated to meet the various demands of the market.

As the range of substrate is so diverse, it is essential that the fullest information on substrate, end use and specification be discussed with our technical service personnel in order that the correct product can be formulated. Inks for one specific application MAY NOT be compatible with those for another.

SUBSTRATES

83239 can be formulated to print on most types of coated, calendered or uncoated papers supplied for gravure or flexo printing.

REDUCTION

The normal reducer for most **83239** inks are:

Fast : **83060-0850**

Slow : **83060-1007** (and process printing)

Retarder : **83060-0900**

Care should be taken in using slow solvents when printing to avoid retained solvent in the printed web. Even small quantities of 'clean' solvents may cause unacceptable levels of taint and odour.

No guarantees for our ink can be given if the above solvent reduction is not followed. The use of other solvent 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".

WASH UP

83060-0850

ROLLERS AND STEREOS

Being alcohol rich, most normal rubber stereos and rollers maybe used with **83239**. If photopolymer materials are used, this should be stated when ordering.

PRESS SPEED

83239 may be used over a wide range of print speeds e.g. 50-250 m/minute, dependent upon the specific formulation and reducing solvents utilized.

COLOUR RANGE

83239 has a full range of available colours, which may only be limited by selection for specific applications.

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 Environmental Protection Act (1990).

*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.*

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INK PRODUCTS COMPANY LIMITED
