

PRODUCT DATA SHEET

FLEXOSTAR 80000

FLEXOSTAR	<p>FLEXOSTAR is a range of flexographic inks that has been specifically formulated for surface printing on treated polyolefin films and certain other films that are meant to be surface printing.</p> <p>Films printed with 80000 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.</p>
PROPERTIES	<p>Very good adhesion and gloss level.</p> <p>Low solvent retention.</p> <p>High scratch and water resistance.</p> <p>Good acid resistance.</p> <p>FLEXOSTAR is not recommended for high temperature applications such as steam</p>
SUBSTRATES	<p>Treated LD,LLD polyethelene.</p> <p>Will adhere to certain polypropylene films, but should be tested first. Please refer to our technical department.</p>
PRESS SPEED	<p>FLEXOSTAR may be used at press speeds of 50-200 m/min. using the appropriate reducers.</p> <p>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.</p>

REDUCTION**Normal : 83060-1003**

Dependent upon press speed and press drying capacity.

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".

Wash up: 83060-1003

It is essential to ensure solvent removal, especially with slow drying solvents, to avoid blocking and to maintain the low odour properties of **80000**, as even small quantities of 'clean' solvent may cause odour and taint problems.

COLOUR RANGE

FLEXOSTAR is available in a wide colour range, only occasionally limited by selecting pigments suited to the requirements of the end use.

CAUTION

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.

QUALITY CONTROL TEST	STD.
VISCOSITY	200 CP \pm 10 CP/20°C
DENSITY colours	0.910 \pm 0.01 Kg/L
white	1.180 \pm 0.01 Kg/L
FINENESS	OFF GAUGE
LIGHTFASTNESS	7
% SOLIDS colours	45 \pm 1 %
white	61 \pm 1 %
ADHESION (TAPE) /24 Hrs.	100.0%.
GLOSS 60./15u	80 \pm 5
HEAT RESISTANCE 500g/cm ²	110 °C /1.0 Sec.
RUB/SCRATCH/SCUFF/24 Hrs	Very good
C.O.F. STATIC/DYNAMIC/24 Hrs.	0.20 – 0.25
DEEP-FREEZE RESISTANCE 24 Hrs.	Very good
RECOMMENDED SURFACE	P. E.

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.