PRODUCT DATA SHEET

FLEXOSTAR 80000

FLEXOSTAR

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.

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.

PROPERTIES

Very good adhesion and gloss level.

Low solvent retention.

High scratch and water resistance.

Good acid resistance.

FLEXOSTAR is not recommended for high temperature applications such as steam

SUBSTRATES

Treated LD,LLD polyethelene.

Will adhere to certain polypropylene films, but should be tested first. Please refer to our technical department.

PRESS SPEED

FLEXOSTAR may be used at press speeds of 50-200 m/min. using the appropriate reducers.

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** : **83060-1003**

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 ± 10 CP/20^{o}C
DENSITY colours	0.910 ± 0.01 Kg/L
white	1.180 ± 0.01 Kg/L
FINENESS	OFF GAUGE
LIGHTFASTNESS	7
% SOLIDS colours	45 ± 1 %
white	61 ± 1 %
ADHESION (TAPE) /24 Hrs.	100.0%.
GLOSS 60./15u	80 $\pm$ 5
HEAT RESISTANCE 500g/cm2	110 ^{o}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.