

## ***Four Color Process Sheet Fed Offset Ink :-***

### **1] Bright Four colors process :-**

#### **Application :-**

- Suitable for printing different high quality & fast machines substrates especially coated substrate

#### **Properties :-**

- 1- Over night Inks
- 2- Fast drying
- 3- High gloss
- 4- No set off
- 5- Suitable for high speed machines
- 6- High color Density
- 7- Working on all printing substrates especially coated substrates
- 8- Working with all dampening systems
- 9- Suitable for all high quality magazines and book covers
- 10- Able to Varnished with U.V over print

### **2] OS 90 Four colors process**

#### **Application :-**

- Printed on all printing substrates :-

#### **Properties :-**

- 1- fast drying
- 2- suitable for Medium speed printing machines
- 3- suitable for Book Covers .
- 4- Excellent Rub Resistance
- 5- Excellent ink water balance
- 6- Good working on coated
- 7- High color density

### **Cristal four colors process**

#### **Application :-**

suitable for printing covers and all printing substrates

#### **Properties :-**

- 1- fast drying
- 2- suitable for high & medium speed printing machines
- 3- No set off
- 4- Able to varnished with oil , water base over print varnishes
- 5- High gloss
- 6- Over night Inks ( No skin formation between shifts on the printing machines)

### **Al Tawoos for colors process inks**

#### **Application**

suitable for printing on food cartons

#### **Properties :-**

- 1- Good absorption on uncoated substrates
- 2- Suitable for packing and covering sheets
- 3- Excellent Rub resistance
- 4- Able varnished with over print varnishes (water – oil )
- 5- Working on low speed printing machines

### **Fine print four colours process inks**

#### **Application :-**

- working on all printing substrates with good quality and low price

#### **Properties :-**

- 1- suitable for book and magazine covers
- 2- Good ink water balance
- 3- Working on slightly low speed printing machines
- 4- Suitable for coated and uncoated papers
- 5- Able to varnished with print varnishes (water – oil )base

### **( OS 50 – Range )**

for printing on Al Pha cellulose paper which used in Melamine dishes

#### **Properties :-**

- 1- easy dispersion and good transfer on the ink cylinders
- 2- fast drying
- 3- No set off problem
- 4- Resistant to Acidic , alcohol medium
- 5- Easy stick to the melamine dishes and can support high pressure up to 100 kg / cm<sup>2</sup> and high temperature up to 200 c° for 3 minutes which helps in the Manufacture process

### **OS 60- Range ( offset ink for chrom and Duplex papers )**

#### **Properties :-**

- 1- easy dispersion , Excellent transfer on the inking cylinders
- 2- excellent ink water balance so No appearance of the cumming problem
- 3- excellent and stable tack so suitable for lot types of papers and No appearance of picking , fluffing problem
- 4- fast Drying
- 5- No set off problem .
- 6- High color Density

### **OS 70 – Range ( pantone system )**

- composed of 14 colours which can produce 1012 colour to suit all customers needs

#### **Properties :-**

- 1- high gloss
- 2- fast drying
- 3- good dispersion , transfer on the Ink cylinders
- 4- Excellent Rub resistance
- 5- Suitable for coated , uncoated papers and cartons

### **ATP Unit ( Any Time Pachin )**

pachin company established this unit as service to its customers for any special colours

#### **Properties :-**

- 1- fast Manufacture (around 60 minutes ) and Excellent colour density , shade
- 2- can produce small quantities (1 kg)
- 3- Colours matched by computer system and the unit constructed according to the latest technology in the Middle East zone to suit all customer needs with high quality and suitable price

### **Gold offset inks :-**

- |                            |                 |
|----------------------------|-----------------|
| 1- yellowish Gold ink      | OS 112 R . Gold |
| 2- Medium Reddish Gold ink | OS 113 R.P.Gold |
| 3- Reddish Gold ink        | OS 114 P.Gold   |

\* Its one pack system which has the following properties :-

- 1- high Gloss , good distribution & coverage
- 2- easy to transfere over ink cylinders
- 3- good storage stability

### **Silver offset inks :- OS 60- Silver**

has the following properties

- 1- one pack system
- 2-Good print properties
- 3- easy to transfere over ink cylinders & can be used at high printing speed .
- 4- high gloss & good coverage
- 5- can be varnished with high Gloss varnishes which give it good rub resistance .

### **Black offset inks for book printing**

**OS 600-Black** :used for printing of holly book & Bibles

- |                          |                  |
|--------------------------|------------------|
| a) has good printability | c) high strength |
| b) no set off            |                  |

**OS MM** : Good for printing books ,specialized with fast drying on uncoated paper

**N.W.O Devp** :- can be used on sheet fed machines on uncoated paper specialized with low price & fast drying

### **Jobbing Black**

- for uncoated paper
- no set off
- It has good printability