

COLD SET OFFSET PRINTING INK

Introduction

This product is a cold-set web offset ink that need be dried under cold condition. Overseas technology in all aspects is introduced and is elaborately manufactured with modernized craft and with top grade raw materials, Thus the quality has reached international standard.

Application

It is suitable for paper in offset printing and other non-coated paper as base substrate. It is an ideal ink for printing of such things as periodical, magazine, book and high-end pictorial.

Ink's property

COLD SET	YELLOW	MAGENTA	CYAN	BLACK
DM	38-40	38-40	38-40	37-39
T.V	3.5-4.5	3.5-4.5	3.5-4.5	3.5-4.5
SETTIME(min)	4-8min	4-8min	4-8min	4-8min
GLOSS(60°)	50-60	50-60	50-60	50-60
DENSITY	1.00-1.10	1.60-1.70	1.60-1.70	1.90-2.00
PARTICLE SIZE	< 10um	< 10um	< 10um	< 10um
PAPER DRYING TIME	< 10Hr	< 10Hr	< 10Hr	< 10Hr
SKINNING	> 48Hr	> 48Hr	> 48Hr	> 48Hr
RUB RESISTANT STRONG→WEAK(5-1)	2	2	2	2



Test method

- Viscosity(DM): measured by Spreadmeter(60sec/25°C)
- Tackness Value (T.V) : measured by Ink-O-meter(60sec/400rpm, 32°C)
- Particle size : measured by Grinding gauge(μ m)
- Gloss Value : measured by Glossmeter (60°)
- Set time : measured by Setting tester(120g/m², INK 0.01cc)

Resistant level

COLD SET	YELLOW	MAGENTA	CYAN	BLACK
Acid 5(excel)-1(poor)	5	2	5	5
Alkaline 5(excel)-1(poor)	5	2	5	5
Water 5(excel)-1(poor)	5	4	5	5
Alcohol 5(excel)-1(poor)	4	4	5	5
Lightfastness 8(excel)-1(poor)	4	4	8	8