

SONATRA SOYBEAN OIL BASED PROCESS INK

Application

- ★ Offset sheet-fed printing

Features/Advantages

- ★ Reliable quality of offset sheet-fed printing ink designed for wide range of paper
- ★ Good printing performance
- ★ Suitable for medium high speed printing
- ★ Fast drying and quick setting time
- ★ Easy control of water balance

Main printing substrate

- ★ Coated(art) paper
- ★ Uncoated paper, recycled paper

Ink's property

SONATRA	YELLOW	MAGENTA	CYAN	BLACK
DM	37-39	35-37	35-37	35-37
T.V	6.5-7.5	7.0-8.0	7.5-8.5	7.5-8.5
SET TIME(min)	8-10min	8-10min	8-10min	8-10min
GLOSS(60°)	60-70	60-70	55-65	65-75
DENSITY	1.15-1.25	1.85-1.95	1.85-1.90	2.05-2.15
PARTICLE SIZE	<10um	<10um	<10um	<10um
CURING LAMP	<10Hr	<10Hr	<10Hr	<10Hr
CURING ENERGY	>24Hr	>24Hr	>24Hr	>24Hr
RUB RESISTANT STRONG→WEAK(5-1)	3	3	3	3

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(μm)

Gloss Value : measured by Glossmeter (60°)

Set time : measured by Setting tester(120g/m² ,INK 0.01cc)

Rub resistant : measured by Rub tester

Resistant level

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

