

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 | | 6.0-6.5 | 7.0-7.5 | 7.0-7.5 | 6.5-7.0 |
| SET TIME(min) | | 8±2 | 8±2 | 6±2 | 10±2 |
| GLOSS(60') | | 65±3 | 60±3 | 55±3 | 60±3 |
| PARTICLE SIZE | | Below 15 μm | Below 10 μm | Below 10 μm | Below 15 μm |
| DRYING TIME | PAPER | Below 10Hr | Below 10Hr | Below 10Hr | Below 10Hr |
| | SKINNING | Over 24Hr | Over 24Hr | Over 24Hr | Over 24Hr |
| RUB RESISTANT | | 4 (5 Excel-1Poor) | 4 (5 Excel-1Poor) | 4 (5 Excel-1Poor) | 4 (5 Excel-1Poor) |

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)

Rub resistant : measured by Rub tester

Resistantlevel

| SONATRA | | 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 |
| Light fastness 5(excel)-1 | poor | 4 | 4 | 8 | 8 |

