T&K TOKA Technical Information

UV Varnish

No.3 UV Wet Pack Matte OP Varnish L

"No.3 UV Wet Pack Matte OP Varnish L" UV curing OP varnish was developed as a matte varnish for oil-based inks used in inline printing. It is primarily applied to coated paperboard.

■ Features

- Excellent adhesion to oil-based inks.
- Enables excellent matte effects.
- Stacking of print material is possible.
- Compared to other oil-based matte OP varnishes it excels in rub and scratch resistances.

■ Properties

Tack Value ：2.8±0.3 （Ink-O-Meter, 400rpm, Water temperature 38℃, 1minute value ）

Flow Value ：36.0±4.0 （Spread-O-Meter, Room temperature 25℃, spread diameter after 1 minute）

Gloss value ：12 points or so （Gloss Meter, 60-60）

Slide Angle ：25°or so （Varnish side× Varnish side）

■ Handling Instructions

- Less the amount of varnish applied the better the matte finish is. But, too small an amount causes set-off.
- Amount of under-print oil-based ink affects matte finish. (With the passage of time the upper coat varnish on oil-based inks further dries down.)
- Adhesiveness can deteriorate for certain oil-based inks and due to excessive application of OP varnish. (Note: Adherence is incomplete right after printing.)
- Cannot be used for non-absorbent stocks. Troubles such as set-off and defective curing will occur.
- Cannot be printed on dried oil-based inks.

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