

Technical Data Sheet

BRL-ROTOLAM

"Rotolam inks are suitable for lamination jobs, can be applied on various type of printing materials, have high heat resistance and have perfect printing ability."

Rotogravure

PRINTING METHOD:

- Rotogravure

CHARACTERISTICS:

- High heat resistance
- Perfect printing ability and good ink transfer
- Perfect adhesion and flexibility
- Perfect solvent release
- Strong lamination with any type of lamination adhesives.

PRINTING MATERIAL:

- Polypropylene (OPP, BOPP, COEX)
- Polyethylene (LD-PE, HD-PE)
- Paper, board and aluminum

(For polypropylene and polyethylene materials surface tension must be minimum 38 Mn/m)

THINNING:

- Ethylalcohol %(0-50)
- Ethylacetate %(100-50)

After thinning ink for printing viscosity (14-18 sn DIN CUP 4) if the color strength is still high, BRL0001 varnish should be used for color adjustment.

ACCELERATOR:

Ethylacetate %100

RETARDING:

- Ethoxypropanol or methoxypropanol

For lamination jobs if retarder to be used, it should not exceed %5. It may cause delamination.

VARNISH:

- BRL0001

LAMINATION:

ROTOLAM inks are specially formulated for lamination jobs. No special type of additive is needed for lamination.

SURFACE PRINT JOBS:

In order to increase the rubbing and scratching resistance, %3-%6 addition of KT002 can be added.

Never use inks for lamination jobs after addition of KT0002. It causes delamination.

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PHYSICAL PROPERTIES:

- Production Viscosity: 30-35 sec (25°C / Din Cup 4)
- Print Viscosity : 14-18 sec (25°C / Din Cup 4)
- Adhesion : Min 5
- Elasticity : Min 5
- Heat resistance : 170-180 °C
- Drying time : 20-30 sec (25°C)

(1) Weak, (5) strong

SHELF LIFE:

- For sealed buckets at room temperature shelf life is 1 year.

CODE	COLOR	LIGHT FASTNESS (Full)	LIGHT FASTNESS (Tint)
BRL 0001	VARNISH	-	-
BRL 0700	SILVER	7	7
BRL 0851	GOLD	3	1-2
BRL 1202	PROCESS YELLOW	4-5	3-4
BRL 2021	ORANGE	5-6	4
BRL 3122	WARM RED	3	1-2
BRL 3385	RED 185.C	3	1-2
BRL 3485	RED 485.C	3	1-2
BRL 3202	PROCES MAGENTA	4-5	3-4
BRL 3251	RHODAMINE	3-4	2-3
BRL 4051	VIOLET	3-4	2-3
BRL 4951	PURPLE	3	1-2
BRL 5202	PROCESS BLUE	7-8	6-7
BRL 5014	REFLEX BLUE	3-4	2-3
BRL 5072	DARK BLUE 072.C	3-4	2-3
BRL 5585	DARK BLUE	3-4	2-3
BRL 6316	GREEN 7	8	6-7
BRL 8202	PROCESS BACK	8	8
BRL 9201	WHITE	7-8	7-8

(1) lowest, (8) highest (Light Fastness values are defined as Blue Wool scale)



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