



AURALAM RT INK

AURALAM RT INK Series is new generation modified Polyurethane based technology for Gravure Reverse Printing, free from toluene and ketonic solvents. This ink series provides good lamination bond strength with solvent base, solvent less & extrusion lamination processes. Printers can achieve excellent printability and low solvent retention at high press speeds. These inks are suitable for general purpose lamination jobs as well as for retort and boil packaging# applications.

Application Characteristics:

- Printing Process : Gravure, Reverse printing
Recommended Substrate : General Packaging: PET (Corona & Chemically coated PET) & OPA/ Nylon\*, AIOx Coated films, Treated BOPP/ Matt BOPP##
Retort Packaging: Chemically coated PET, OPA/ Nylon\*, AIOx Coated films

Table with 2 columns: Manufacturing Specifications and values. Rows include Supply Viscosity, Printing Viscosity, Specific Gravity, Dry content, Adhesion, and Blocking Resistance.

Table with 2 columns: General Specifications and values. Rows include Color, Lamination, ARSR, Light Fastness, Heat Resistance, Shelf Life, and Extender.

\*\*Colors - 12 Months, White/Gold/Silver/Metallic Inks - 6 Months

Reducer Recommendations:

- Normal drying : Ethyl Acetate/ n Propyl acetate/ IPA = 50/40/10
Slow drying : Ethyl Acetate/ n Propyl acetate/ IPA/ Butyl Acetate\*\*\*=40 /50/5/5
Retarder : Butyl Acetate/ or Methoxy Propanol

PRESS ADDITIVE (If required)	
Defoamer	GFAA-002 (Antifoam Additive) Recommended Dosage 1 to 3%
Antiblocking Additive	GFAA-004 (Auralam NTNK Antiblocking Additive) Recommended Dosage 2 to 3 %

**Cleaning:**

Reducer solvent can be used for cleaning

**Storage:**

Should be stored in original drums in well-ventilated area at normal room temperatures. Avoid extended storage in sunlight and extreme climatic conditions

**Specific Remarks:****#Reort & boil Packaging:**

- ✚ Addition of 3% Auralam NTNK Hardener (GFAA-001) is recommended in all colors.
- ✚ Only ARSR colors are recommended for printing.
- ✚ Bronze gold/ silver and metallic inks are not recommended for printing.

**\*Nylon Printing/ Extrusion Lamination:**

- ✚ Addition of 3% Auralam NTNK Hardener (GFAA-001) is recommended in background colors.

**Use of Hardener:** Hardner can provide better heat & chemical resistance properties. It is recommended to use Hardener for Extrusion lamination jobs for better bond strength. Press return inks mixed with hardener should not be used directly. It should be mixed minimum with 50% of fresh inks. If press return inks are very old and thick then it is not recommended to re-use.

**Chemical Resistance:** It is recommended to use all AR-SR colours for higher chemical resistance along with hardener. Example, packaging of soap/ detergent / spices etc.

**It is recommended to do the lamination after 12 - 24 Hrs of curing of print sample.**

Please contact our technical team for any further information.

**DISCLAIMER**

The information provided in this data sheet is based on our knowledge and experience. There are many variables at laminators end which will influence the performance like the machine running parameters, operational conditions, various structures used and ambient conditions which are beyond our control. We advise our customers to make their own determination of suitability of this product for their application by making trials at their end. As such this information is offered in good faith but we cannot accept any liability.

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