



AURALAM NTNK INK

AURALAM NTNK INK Series is new generation modified Polyurethane based technology for Gravure Reverse Printing, free from toluene and ketonic solvents. This ink series is suitable for printing on treated Polyester and BOPP films, provides good lamination bond strengths with solvent base, solvent less & extrusion lamination processes. Printers can achieve excellent printability and low solvent retention at high press speeds

Application Characteristics:

- Printing Process** : Gravure, Reverse printing
- Recommended Substrate** : PET (Plain, Corona & Chemically coated PET) & Treated BOPP (Minimum treatment level: 38 Dynes/cm)

Manufacturing Specifications	
Supply Viscosity	20 - 60 seconds @ 27 °C in Ford Cup B4
Printing Viscosity	14 - 20 seconds @ 27°C in Ford Cup B4
Specific Gravity	1 ± 0.1
Dry content	14 - 40%
Adhesion	Good
Blocking Resistance	Good

General Specifications	
Color	Standard colors available, Specific colors on request
Lamination	Suitable for solvent based, solvent less & Extrusion lamination* (* 3% AuraLam NTNK Hardener (GFAA-001) is recommended for extrusion lamination jobs in all the back ground colours)
ARSR	As per shade/ Contact our representative for details
Light Fastness	As per shade/ Contact our representative for details
Heat Resistance	As per shade/ Contact our representative for details
Shelf Life	6 - 12 months depending upon the colors** (In unopened containers)
Extender	Auralam NTNK Extender Medium

**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
(*** care should be taken in the use of retarder as this may lead to odour or set-off)
- 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

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

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.

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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