

PRINT
PACKAGING
INKS *Expert*



SEVENⁱⁱ®

**SOLVENT - BASED
PRINTING INKS**

India's Leading Manufacturer & Exporter of Solvent-Based Inks



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SOLVENT - BASED

PRINTING INKS

NITROPACK		Alcohol Based Surface Printing Inks for Flexible Packaging
Description	Nitrocellulose based versatile inks series for surface printing	
Application	Milk Pouch, Water Pouch, Oil Pouch, Label printing, Shopping Bag	
Printing Process	Flexo & Gravure	
Substrates	BOPP, LDPE, Foil, Paper Foil, Pearl BOPP, Paper (Minimum require treatment 38 mN/m = dynes/cm) (Primed Foil must be use)	
Special Characteristics	• Excellent Printability And Re-Solubility • Excellent Nail & Scuff Resistance • Excellent Deep Freeze Resistance, Heat Resistance & Oil Resistance	• Versatile Ink For Variety of Flexible Films. • High Colour Strength For High Definition Plate And Finer Anilox For Flexo Printing
Properties	• Ink Adhesion – 8 to 9 • Gloss – 8 to 9 • Nail & Scuff Resistance – 9 to 10 • Water Resistance – 9 to 10 Rating Scale 1 = Poor, 10 = Excellent	• Deep Freeze Resistance – 9 to 10 • Light Fastness (Blue Wool Scale) – 2 to 8 • Vegetable Oil Resistance – 9 to 10 • Heat Resistance - 160 to 180°C (Pressure – 4kg, Dwell Time – 1 Sec)
Viscosity & Solvents	Gravure • Printing Viscosity - 14 to 18 Seconds by FCB4 • Reducer - Ethyl Acetate : Ethanol – 50:50 • Drying Accelerator - Ethyl Acetate • Drying Retarder - Methoxy Propanol / Ethoxy Propanol / PGMAc	Flexo • Reducer - N Propanol : N Propyl Acetate – 80:20 • Drying Accelerator - N Propyl Acetate (Max 5–10%) • Drying Retarder - Methoxy Propanol / Ethoxy Propanol



NITROFRESH		Alcohol Based Surface Printing Inks for Carry Bag & General Use
Description	Nitrocellulose based versatile inks series for surface printing	
Application	Carry Bags	
Printing Process	Flexo & Gravure	
Substrates	Polyethylene & Polypropylene (Minimum require treatment 38 mN/m = dynes/cm)	
Special Characteristics	• Excellent Printability and Re-solubility • High Colour Strength	• Excellent Nail & Scuff resistance • Excellent Gloss
Properties	• Ink Adhesion - 8 to 9 • Gloss - 8 to 9 • Nail & Scuff Resistance - 9 to 10 • Water Resistance - 6 to 7 Rating Scale 1 = Poor, 10 = Excellent	• Deep Freeze Resistance - Not Recommended • Light Fastness (Blue Wool Scale) - 2 to 8 • Vegetable Oil Resistance - Not Recommended • Heat Resistance - 90 to 110°C³ (Pressure – 4kg, Dwell Time – 1 Sec)
Viscosity & Solvents	Gravure • Printing Viscosity - 14 – 18 Seconds by FCB4 • Reducer - Ethyl Acetate : Ethanol – 50:50 • Drying Accelerator - Ethyl Alcohol • Drying Retarder - Methoxy Propanol / Ethoxy Propanol / PGMAc	Flexo • Printing Viscosity - 16 – 20 Seconds by FCB4 • Reducer - N Propanol : N Propyl Acetate – 80:20 • Drying Accelerator - N Propyl Acetate (Max 5 – 10%) • Drying Retarder - Methoxy Propanol / Ethoxy Propanol



NITROTEMP	
Alcohol Based Surface Printing Inks for Flexible Packaging	
Description	Nitrocellulose based versatile inks series for surface printing
Application	Flexible and semi-rigid packaging for food and beverage products printed on Primed Aluminium, coated and uncoated papers.
Printing Process	Gravure
Substrates	Primed Aluminium, Paper (Glassine, Chromo art paper), Metalized Paper*
Special Characteristics	• Excellent Printability And Re-Solubility • Excellent Nail & Scuff Resistance
Properties	• Ink Adhesion – 8 to 9 • Gloss – 8 to 9 • Nail & Scuff Resistance – 9 to 10 Rating Scale 1 = Poor, 10 = Excellent
Viscosity & Solvents	• Printing Viscosity - 14 – 18 Seconds by FCB4 • Reducer - Ethyl Acetate : Ethanol – 50:50 • Drying Accelerator - Ethyl Acetate



NITROLAM	
Nitrocellulose Based Reverse Lamination Printing Inks	
Description	Nitrocellulose based versatile inks series
Application	Reverse Lamination For Food & Beverage Flexible Packaging
Printing Process	Flexo & Gravure
Substrates	Coex OPP, BOPP, LDPE, Chemical coated Pet, Corona Treated Pet, BOPA (Minimum require treatment 38 mN/m = dynes/cm) (For Corona PET treatment must be between 42 – 48 mN/m = dynes/cm)
Special Characteristics	• Excellent Printability And Re-Solubility • Excellent Bond Strength
Properties	• Ink Adhesion – 8 to 9 Rating Scale 1 = Poor, 10 = Excellent
Viscosity & Solvents	Gravure • Printing Viscosity - 14 to 18 Seconds by FCB4 • Reducer - Ethyl Acetate : Ethanol – 50:50 • Drying Accelerator - Ethyl Acetate • Drying Retarder - Methoxy Propanol / Ethoxy Propanol / PGMAc



SOLVENT - BASED PRINTING INKS

PURELAM TKF	Toluene & Ketonic Solvent free reverse lamination ink for Flexible Packaging	
Description	Polyurethane based versatile inks series for reverse lamination printing.	
Application	Reverse Lamination for food & beverage flexible packaging	
Printing Process	Gravure	
Substrates	Coex OPP, Chem PET, Corona PET, BOPA, PET SiOx (Minimum require treatment 38 mN/m = dynes/cm) (For Corona PET treatment must be between 42 – 48 mN/m = dynes/cm)	
Special Characteristics	• Excellent Printability And Re-Solubility • Excellent Bond Strength • Versatile Ink For Variety of Flexible Films.	• High Colour Strength with low Viscosity • Suitable for Solvent Base, Solvent Free adhesive lamination. Also suitable for PE Extrusion
Properties	• Ink Adhesion - 9 – 10 Rating Scale 1 = Poor, 10 = Excellent	• Light Fastness (Blue Wool Scale) - 2 to 8
Viscosity & Solvents	• Printing Viscosity - 14 to 18 Seconds by FCB4 • Reducer - N Propyl Acetate : Ethyl Acetate : N	• Drying Accelerator - Ethyl Acetate • Drying Retarder - PGMAc



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