

PRODUCT CATALOG



WHERE COLORS COME TO LIFE!

IRANSHORAKA MFG. CO.

T. +98 21 8877 1773
F. +98 21 8877 1776
INFO@IRANSHORAKA.COM
WWW.IRANSHORAKA.COM

PRODUCT CATALOG
IRANSHORAKA MANUFACTURING CO.

ADDRESS:
IRAN SHORAKA MANUFACTURING CO.
NO. 47, NEGAR ALLEY, VALIASR AVE.,
VANAK SQ. TEHRAN - IRAN

WEBSITE: WWW.IRANSHORAKA.COM
EMAIL: INFO@IRANSHORAKA.COM
PHONE: [+98] 21 8877 1773
FAX: [+98] 21 8877 1776

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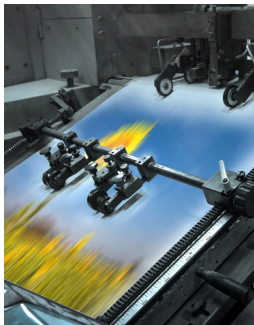
CATALOG DESIGN AND PRODUCTION BY IRAN SHORAKA MANUFACTURING CO.| MARKETING DEPARTMENT

COMPANY OVERVIEW



Iranshoraka Manufacturing Company, established in 1981, began producing printing inks. In 1989, it adopted mechanization to meet the growing demand driven by the surge in publications and offset printing houses. Under the leadership of elite university graduates, the company modernized its operations with advanced machinery. Today, with an annual production capacity exceeding 6,000 tons, Iranshoraka is one of the largest manufacturers and the exclusive exporter of Iranian-made printing ink, proudly serving global markets.

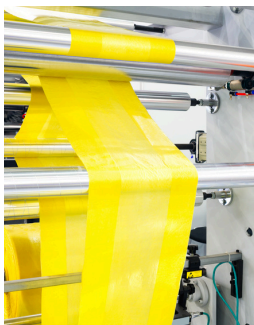
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OFFSET INKS

Iranshoraka's offset inks are designed to provide high quality, consistency and performance for various printing needs.



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FLEXO/GRAVURE INKS

Whether it is for paper, film, foil, or metal substrates, Iranshoraka has the right ink solution for every printing process.



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PRESS CHEMICALS

Iranshoraka offers a wide range of products, such as fountain solutions, plate cleaners, blanket washes, UV washes, and more.



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RESINS

Iranshoraka provides a broad range of NC-PU, PU, and WPU resins, as well as a variety of sub-products, including but not limited to solvent-based adhesives.

OFFSET INKS

Iranshoraka's offset inks are designed to provide high quality, consistency, and performance for various printing needs. These inks are formulated to deliver excellent print quality and consistency across a wide range of substrates.

Solmazink
where colors come to life!

SHEETFED OFFSET SERIES

Product Code: Optima **plus**

Special Properties

- Excellent gloss
- Fast drying
- Quick setting
- Compliant with ISO 2846-1 for hue, strength and transparency
- Excellent rub resistance
- Excellent ink mileage
- Minimal paper waste
- Good stackability
- Minimal powder spray

	Fastness Characteristics				Printing Characteristics						
	Light	Alcohol	Nitro	Alkali	Gloss	Setting	Rub Resistance	Coated	Uncoated	Asorbent	Carboard
OPTIMA PLUS SHEETFED SERIES					7-8	5-6	5-6	+	-	-	+
Process Cyan Optima/p/1500	8	+	+	+	1 = Poor Characteristic 8 = Excellent Characteristic						
Process Magenta Optima/p/1200	4	+	+	-	The color specifications and classification of certain properties must be interpreted according to standardized printing conditions.						
Process Yellow Optima/p/1100	4	+	+	+							
Process Black Optima/p/1800	8	+	+	+							

Based on ISO 2836 fastness properties: + = Resistance provided; - = Resistance not provided
 Based on ISO 12040 light fastness properties : from 1 (low) to 8 (high)

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OFFSET INKS



COLDSET INK SERIES

High colour intensity
Colour shade according ISO 2846-2 and 12647-3

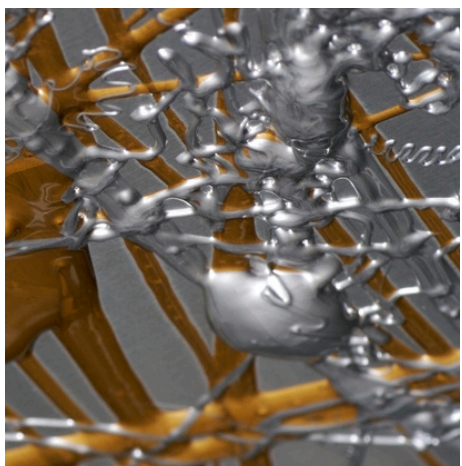
Available Colors



WEB OFFSET HEATSET INKS

Fast drying
Best rub resistance
Maximum gloss and high brilliance

Available Colors



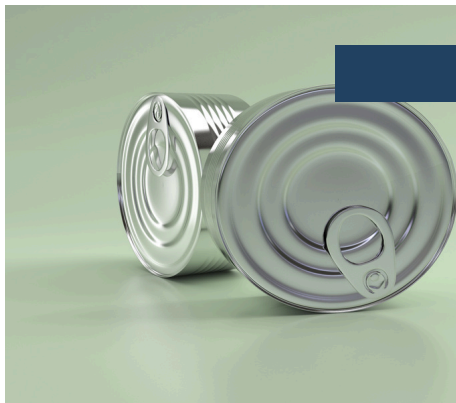
OIL BASED METALLIC INKS

Outstanding overprintability
Quick setting and drying
Excellent adhesion to substrate

Available Colors



OFFSET INKS



TIN OFFSET INKS

For offset printing on metal sheets
Excellent flexibility against bending
Resistant to water vapor

Available Colors



VG INK SERIES

Based on vegetable oils
Suitable for food packaging
High mileage

Available Colors



JOBGING BLACK

Sheetfed Offset Ink

Available Colors



FLEXO/GRAVURE INKS

Iranshoraka Mfg. Co. is a leading producer of flexo and gravure inks for various applications. The company offers products for reverse and surface printing, as well as inks that can withstand different atmosphere and temperatures.

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ApeX 11

FlexTec™ Series

Product Description:

The ApeX® 11 ink is a Gravure Printing Ink system for Reverse printing and Lamination application.

ApeX® 11 provides excellent properties on CC-PET & BOPP Films.

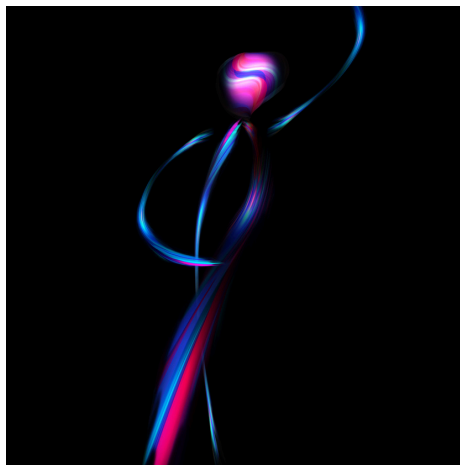
RESISTANCE	Surface Printing	Sandwich Printing
Water:	N/A	N/A
Cold seal adhesive::	N/A	N/A
edible fat/edible oil:	N/A	N/A
paraffin:	N/A	N/A
cheese:	N/A	N/A
Acid::	N/A	N/A
deep-freeze resistance:	N/A	N/A
heat-seal resistance:	N/A	N/A

Suitable For Coating With:

BOPP:	YES
CC - PET:	YES
wax:	-
hotmelt:	-

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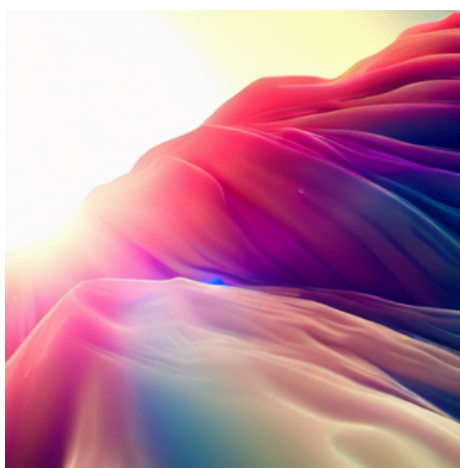
FLEXO/GRAVURE INKS



Surf^X 13

Gravure Surface Printing application
High strength solvent based ink
Excellent printability on PE, PP, PET & BOPP

Available Colors



Ape^X Xtreme

Gravure Reverse printing and Lamination application
High strength solvent based ink
Excellent printability on PE & BOPP

Available Colors



Raa^X Xtreme

Flexo/Gravure Lamination application
High strength solvent based ink
High thermal resistance

Available Colors



AraX[®] 30

FleXTec[™] Series

ARAX[®] Series 30 water-based flexographic inks are formulated for printing on cardboard. In this product, raw materials have been selected in such a way as to provide maximum coverage. This series of flexo compounds does not contain harmful substances and is completely compatible with the environment.

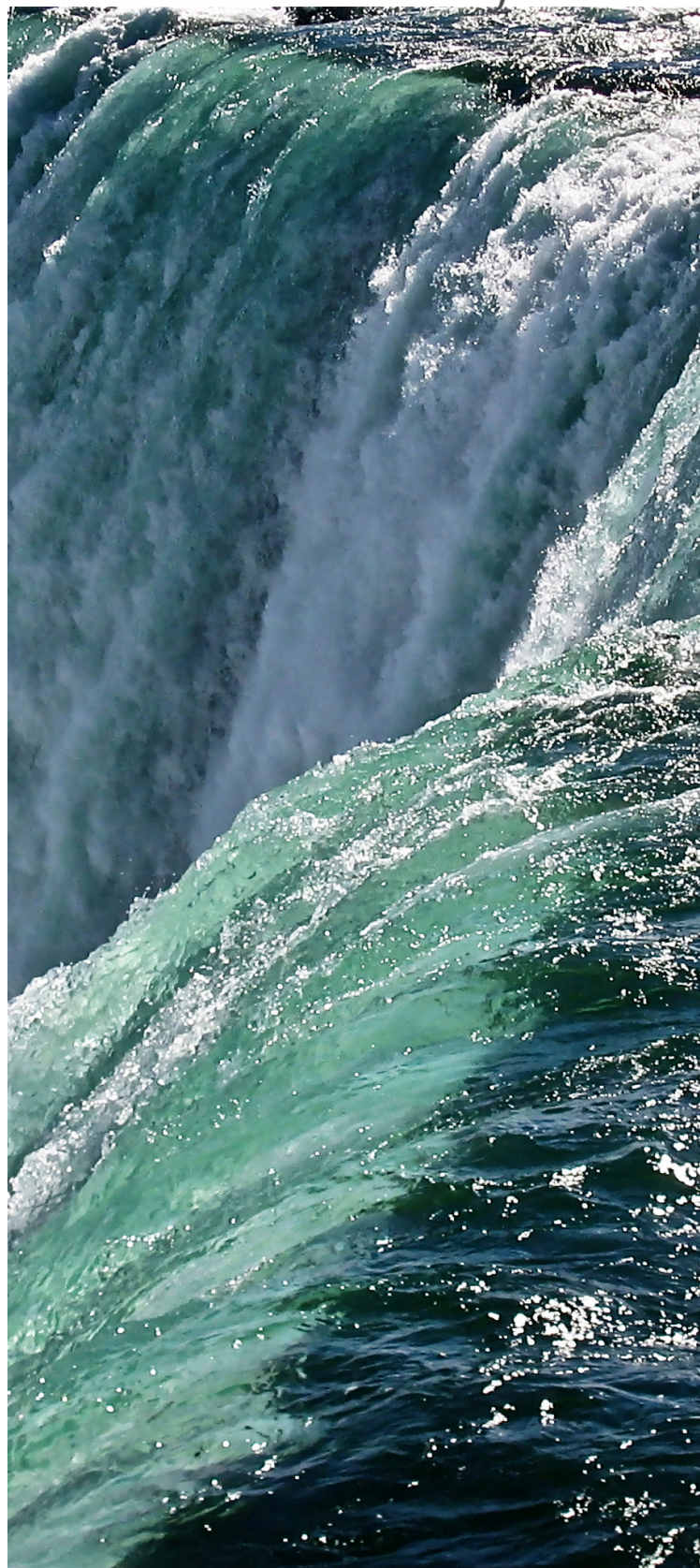
Application:

Water based flexographic printing

Key Features:

- Provides a uniform and homogeneous compound with proper rheology
- Delivers high print quality
- Odorless and can be easily diluted with water to achieve the desired viscosity concentration
- Exhibits exceptional resistance to wear, chemicals, and environmental effects
- Has a fast drying time on printed surfaces even at high print speeds
- No foam formation
- Easy to clean the rolls with water
- Highly durable during storage
- Particles are below 3 microns, resulting in cleaner anilox cells with high re-dissolving ability.
- Offers a decent gloss
- It is safe for the environment and employees during consumption
- No harmful effects on rollers and rubber surfaces in the printing machine

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NOVA CURE[®]

UV FLEXO INKS

Description:

Universal UV flexo ink range suitable for shrink films as well as general label printing, showing excellent adhesion to a wide range of substrates.

Properties:

- High colour strength
- Excellent adhesion properties
- Printing speeds of 50-150 m/min (dependent on UV lamp power)
- Excellent shrink characteristics, more than 50% with good retained adhesion (dependent on substrate)
- Steam or hot air shrink

SUBSTRATES:

Suitable for a wide range of coated papers and films, and label stocks such as:

- Coated PE, PP, PVC, PET, and OPP
- Shrink films, typically* PVC, PET, PET-G, OPS

*Due to the diverse nature of shrink films it is essential that each grade/application is tested thoroughly prior to commercial production.

PRESS CHEMICALS

Iranshoraka offers a wide range of products for the printing industry, including fountain solutions, plate cleaners, blanket washes, UV washes, and more.

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AQUA ProTecTM

Glossy Water-Based Varnish

Product Description:

Glossy water-based varnish is used to improve the gloss, abrasion resistance and moisture resistance of the print.

Application:

sheet-fed offset print.

Properties:

- High gloss
- Excellent drying speed
- Suitable abrasion resistance
- Improve printing resistance to detergents, grease and moisture after complete drying
- Partial alkalinity to prevent interaction with printed ink such as magenta red

Substrate:

- Suitable for printing on paper, paper board.

Product specification:

Properties	Gloss	Drying	Block Resistance	Rub Resistance	Slip	Density (g/cm ³)	PH	Viscosity
AQUA PROTEC	8	7	6	6	6	1.02	8-9	60-70 Sec

Recommendations

- Dosage use: about 5 grams per square meter
- Adjust viscosity with water when use (10 to 25% by weight)
- If required can be diluted with water, but care should be taken, as excess
- Addition will reduce gloss and other qualities of the film.

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PRESS CHEMICALS



FOUNTAIN SOLUTION

Fast water and ink balance
Preventing the growth of fungi
Protecting the plate and increase its lifespan



Flex Care®

Solvent-based Flexo Plate Cleaner
Excellent cleaning power
No damage to the plate structure



Flex Care®

Water-based Flexo Plate Cleaner
Excellent cleaning power
No damage to the plate structure
Low VOC

PRESS CHEMICALS

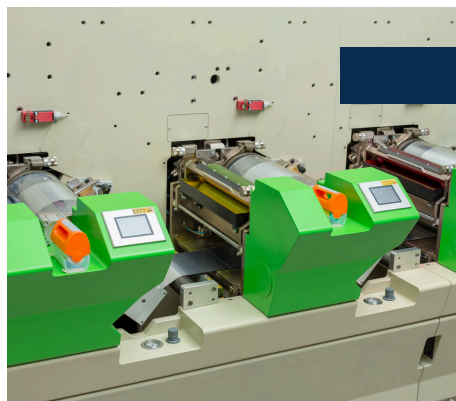


Fount. Wash[®]

Fountain solution circulation system cleaner
Elimination of organic and mineral deposits
Prevents the growth of various fungi and bacteria

Flex Wash[®]

Water-based Flexo Anilox cleaner
No damage to the anilox structure
Complete removal of dried ink



Krust[®]

Offset Plate Cleaner
Correction of scratches on the plate
Long-lasting

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Xagros® 100

DDS Fountain Solution

Product Description:

Xagros 100® is a special fountain solution designed for use in printing machines with direct water supply systems (DDS). This product has a high pH stability and does not create sediment during use in the printing machine.

Application:

For use in sheet-fed offset printing machines with any type of water supply mechanism.

Features:

- Reduces water surface tension and printing waste
- Balances water and compound quickly without delay in drying
- Effective in preventing fungal growth.
- Suitable for all types of paper
- Reduces plate corrosion.

Technical specifications:

Surface tension	34-36 Dyn/cm²
Density	1/01 gr/cm³
pH	4 - 4/3
Color	Yellow

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Zeribar Lake in the Zagros Mountains near Marivan, Iran

PRESS CHEMICALS



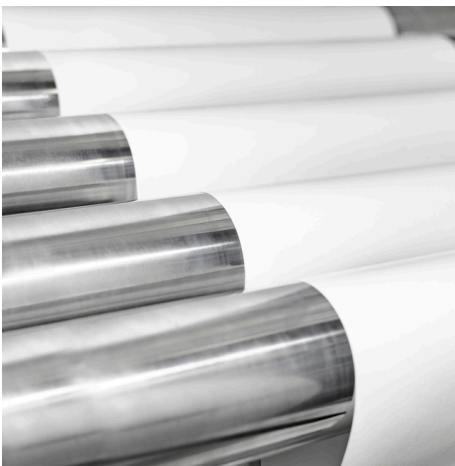
PrimeX[®] 52

Single component multipurpose primer
Good Adhesion on Aluminium foil and metallized films



PrimeX[®] 46

Two-component multipurpose primer
High resistance to organic solvents
Good Adhesion on different surfaces



UV WASH

Strong cleaning agent
Medium drying speed without any oily residue
Effective for all UV compounds



BLANKET AND ROLLER WASH

Description:

A high solvent power wash formulated for medium to large automatic systems. This is a light petroleum hydrocarbon wash with low odor. It is miscible with water and after dilution it quickly removes paper lint and gum glaze leaving blankets and rollers with an ink receptive surface.

Quality characteristics:

- Excellent ink removal properties
- Suitable for manual and automatic use
- Compatible with most offset plates
- Reduces ink tack
- Prevents oxidation and swelling of the rubber
- No residue on the blanket

Direction for use:

Manual: Pre-mix with water. Apply Mixture with a cloth or sponge, evenly covering the whole surface. After application, wash with water.

Automatic: Check the manuals of the machine

Storage:

Store at room temperature in a dry, well ventilated area. Keep away from heat and direct sunlight

Specifications:

Flash point: 80°C

Distillation range: 140-214°C

Aromatic content: 1-2%

Odor: Typical

Color: Clear, transparent liquid

Drying speed: Medium

Packing size:

- 5 and 20 L

RESINS

Iranshoraka provides a broad range of NC-PU, PU, and WPU resins, as well as a variety of sub-products, including but not limited to solvent-based adhesives.

NC-PU RESINS



KETONIC RESIN

Ketonic Resin is a versatile hard ketone aldehyde resin compatible with various binders and solvents. It is used in flexo and gravure inks, wood primers, ballpoint pen ink, paper coatings, surface coatings, and nail varnishes.

PHENOLIC RESIN

This phenolic resin is ideal for flexo and gravure inks, coatings, varnishes, and adhesives. It offers exceptional hardness and excellent resistance to solvents, water, and oil, making it suitable for demanding applications.



SS POLYAMIDE RESIN

SS Polyamide Resin is an alcohol-soluble resin for flexographic and gravure inks, known for high solubility, excellent gloss, low odor, strong adhesion, and good gel resistance, making it ideal for various printing applications.

SS MALEIC RESIN

DESCRIPTION:

SS MALEIC RESIN IS ROSIN MODIFIED RESIN

APPLICATION:

- Flexographic Inks
- Steam Set Inks
- Water Based Inks
- Over Print Varnishes and floor polishes

Technical Specification:

Property	Unit	Value
Appearance	---	Lump
Color (Solution 50% in IMS)	CGS	12 Max
Acid Value	Mg KOH/gm	200 Max.
Softening Point (Capillary)	°C	120 – 135
Viscosity @ 30° C (Ford cup B-4) 50% Solution in IMS	Secs	20 – 30
Tolerance in MTO	----	1 : 10

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PU RESINS



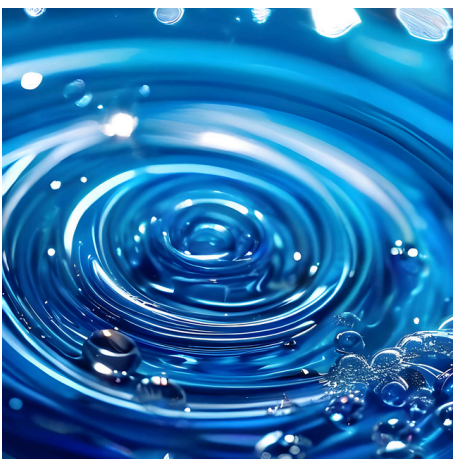
SM 2008 POLYURETHANE DISPERSION

Polyurethane Resin SM 2008 is a non-reactive, chemically inert and non-toxic polyester urethane polymer.



SM 1364A POLYURETHANE DISPERSION

Polyurethane Resin SM 1364A is a non-reactive, chemically inert and non-toxic polyester polymer, to be used as co-resin with SM 2008.



SM 2010 POLYURETHANE DISPERSION

Polyurethane Resin SM 2010 is a non-reactive, chemically inert and non-toxic polyester film forming urethane polymer.

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POLYURETHANE DISPERSION – SM 1357

DESCRIPTION:

Polyurethane Resin SM 1357 is a non-reactive thermoplastic, chemically inert, TDI Free and non-toxic polyether urethane polymer.

SPECIFICATION:

Appearance	Clear Liquid
% Solid	70 (+/-) 2
Specific Gravity	1.0 (+/-) 0.1
Flash Point	-4 degC
Acid Value	< 2
Color Gardner	1 max.

TYPICAL VALUE:

Free Isocyanate	Zero
NCO value (% max)	0.05

SOLVENT COMPOSITION:

Resin	70 (+/-) 2 %
Ethyl Acetate / Ethanol	30 (+/-) 2%

COMPATIBILITY:

Readily compatible with N.C., Vinyl's, Maleic & Ketonic Resins.

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POLYURETHANE DISPERSION – SM 3015

DESCRIPTION:

Polyurethane Dispersion SM-3015 is an Aliphatic Urethane Polymer in Water / IPA. It has Excellent durability and displays good UV resistance. SM-3015 to be used to formulate highly flexible coating systems especially for coating of plastics. Such system exhibits very good adhesive properties.

SPECIFICATION:

Appearance	Translucent Liquid
% Solid	28 - 32
Specific Gravity	0.98- 1.05
PH	7 - 8
Viscosity@30 deg.	20 ± 5 Sec. By FcB4 cup

SOLVENT COMPOSITION:

Water	85
IPA	15

FILM PROPERTIES:

High clarity, Hard and flexible, Excellent water and alkali resistance, Good alcohol resistance.

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SM 2000 / SM 9000 SOLVENT BASED ADHESIVE

Description:

Medium Performance lamination adhesives for flexible packaging. The new generation of Medium performance solvent based two-component polyurethane adhesive. These are manufactured in optimized production process. The special constituents of adhesives are matched precisely to the individual stages in the manufacturing process. The Medium performance in quality are to be found in areas such as the unique properties like Good Heat Resistance, High Bond Strength, Odourless and Good Chemical Resistance.

Field of application:

SM 2000 / SM 9000 is suitable for the lamination of Polyester, Polyethylene, Cellophane, BOPP, Aluminum foil and various types of paper.

Typical end uses include soap wrappers and laminates for packaging liquids, spices, detergents and shampoos in control use.

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