



TAKNAM
KEYHAN POLYMER

ADHESIVES, COATINGS, INK-PU FOR FLEXIBLE PACKAGING

Namitac
Lamination Adhesives



Developing tailor made smart solutions!



TAKNAM KEYHAN POLYMER is a research, production and commercial complex with the scientific and technical support of more than 170 domestic and foreign experts with a long and brilliant history in the field of PU supply, production and quality improvement of polyurethane used in the printing and packaging industries and paint and ink and resin production industries know by **Namitac** brand.

We at a glance

INNOVATION & RESEARCH

- Developing cutting-edge products
- Global R&D team and projects
- Connecting global experts and masters (Experts HUB)
- Compiling and algorithmizing technical information



WORLD CLASS QUALITY

- Developing products with minimal carbon dioxide foot-stamp
- Eco-Friendly and friendly operatable products
- Energy saving processes
- Biodegradable products

COMPREHENSIVE SOLUTIONS

- Wide range of products and grades to meet customers preferences
- Unique technical and laboratorial services
- Developing exclusive customized products



Global supply chain

- Connection with the global network of suppliers of polyurethane raw materials.
- Efficiency
- Best-in-class quality.
- 3 domestic and overseas warehouses to Reduce shipping and delivery costs, 2 in Iran and Turkey, and 1 in Russia.



IN TOUCH WITH YOUR NEEDS

Food and pet food industry

Wide range of lamination adhesives provided for meeting every customer's preferences for diversity of applications such as snacks, juices, sauces, and powders as well as hot filling pouches and retortable packs for human and animal foods with the characteristics of strong bond, odorless and UV resistant at the compliant with the standards for food contact materials.



Pharmaceutical

Namitac high performance special grades are easily used for laminating many pharmaceutical packs such as Alu-Alu, blisters, Alcohol pads.



Personal & Home care

Namitac's wide range of both solvent-less and solvent-based adhesives can be applied for laminating cosmetic and hygienic packaging wrappers, considering the compatibility of the product with the adhesive according to TDS.



INDUSTRIAL

- > Heavy duty applications
- > Special resistance to :
 - Extreme temperatures /
 - UV ray aging / electricity / humidity

Lamination Adhesives

Solvent - Less

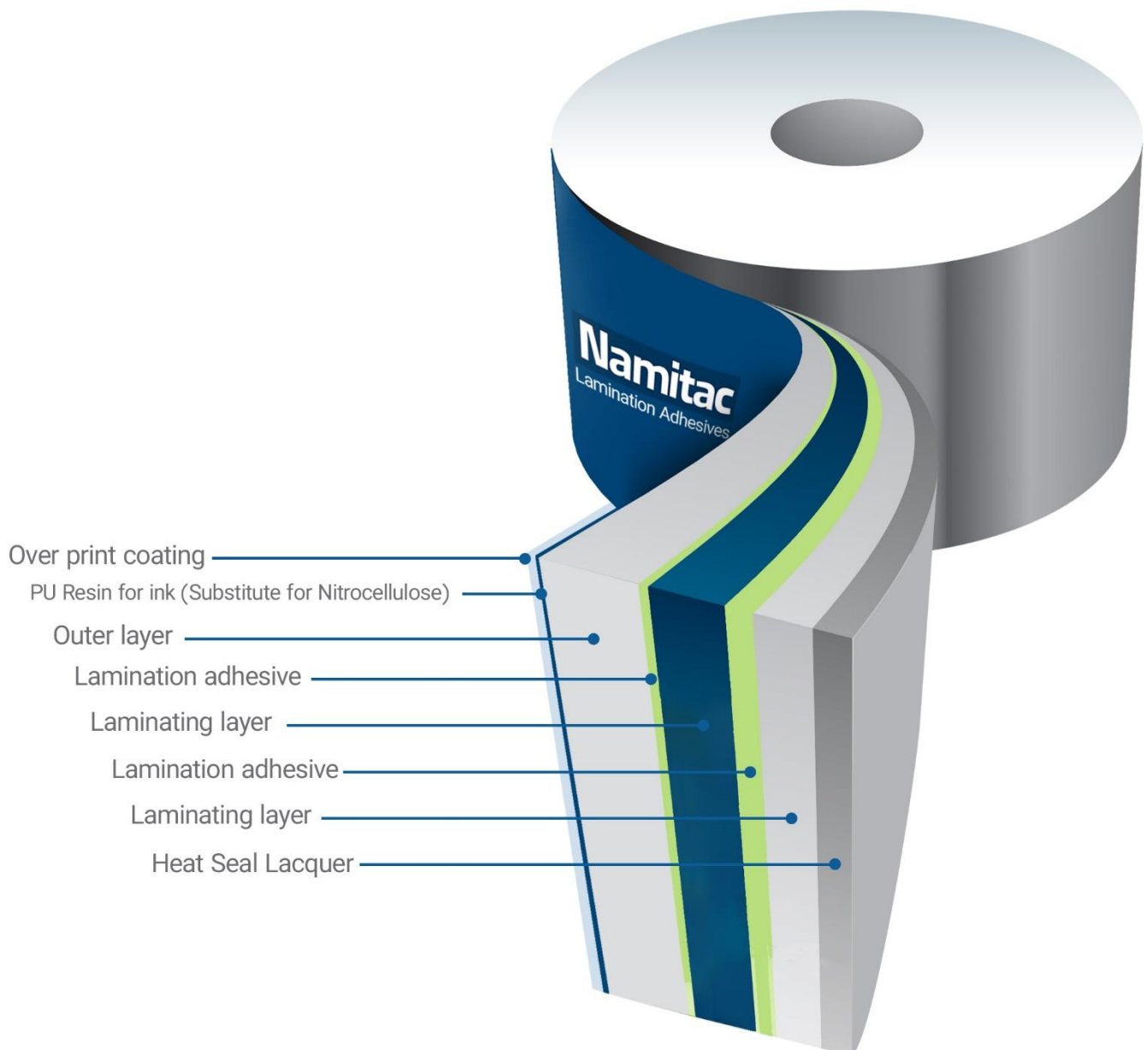
Solvent - Based

PU Resin

Pu Resin for inks substitute for Nitrocellulose

Primer & over print coatings

Heat seal lacquer



Lamination adhesives

Lamination Adhesive			Description	Boiling	Retortable	Cold Forming	Chemical Resistance	Paper to Film & Foil	Anti-UV
High performance	SBI409.SBP550	Solvent Based	Two Component Aliphatic	✓✓✓	✓✓✓	✓✓	✓✓✓	✓✓✓	(producible by customer's request)
	SBI402.SBP110		Two components	✓✓✓	✓✓✓	✓✓	✓✓✓	✓✓✓	(producible by customer's request)
	SBI407.SBP220			✓✓✓	✓✓✓	✓✓	✓✓✓	✓✓✓	(producible by customer's request)
	SBI407.SBP330			✓✓✓	✓✓✓	✓✓	✓✓✓	✓✓✓	(producible by customer's request)
	SBI403.SBP400			✓✓✓	✓✓✓	✓✓✓	✓✓✓	✓✓✓	(producible by customer's request)
	MA208.HP110	Solvent Less	Two Component Semi - Aliphatic	✓✓✓	—	✓✓	✓✓	✓✓✓	—
	MA007.HP007			✓✓✓	—	✓	✓✓	—	—
Medium performance	SBI305.SBP050	Solvent Based	Two Component	✓✓✓	✓✓	✓✓	✓✓	✓✓✓	(producible by customer's request)
	MA004.OP040	Solvent Less	Two Component	✓✓	—	—	✓	—	✓✓✓
	MA004.HP200			✓✓	—	✓✓	✓	—	✓✓✓
	MA208.OP030			✓✓	—	✓✓	✓	—	✓✓
	MA009.OP050			✓✓	—	✓✓	✓	—	✓✓✓
	MA006.OP050			✓✓	—	✓✓	✓✓	—	✓✓✓
General performance	MA005.HP110	Solvent Less	Two Component	✓✓	—	✓✓	✓✓	—	✓
	MA105.OP040			✓	—	✓✓	✓	—	✓✓✓
	MA005.OP040			✓✓	—	✓✓	✓	—	✓✓✓

PU Resin for Inks

Ink binder type	Product Code	Physical Properties					Characteristics
		Color	Density @25°C (g/cm ³)	Solid Content%	Viscosity (Cup ford #4 (100PU RESIN:40 E.A.)	Tol, Mek, Tin Free	
Film forming	XPU-FW	Transparent or slight yellowish liquid	0.9±0.02	33±1	55 to 240 sec (customizable)	✓	High Blocking resistance, High viscosity, Good pigment wetting and dispersion properties, Outstanding lamination bond strength, Good adhesion to substrates Good yellowing resistance, Excellent leveling and color saturation Excellent solvent release and very low solvent retention, Excellent heat and chemical resistance, Good compatibility with Nitrocellulose Suitable for manufacturing high-speed printing ink
	XPU-FC				18 to 45 sec (customizable)	✓	
Film forming	XPU-EFW	Transparent or slight yellowish liquid	0.9±0.02	33±1	120 sec	✓	Good adhesion on PP, PET, PA High Gloss Good oil and water resistance Good scratch resistance Excellent alcohol dolution ability
	XPU-EFC				18±2 sec	✓	
Film forming	XPU-DFW	Transparent or slight yellowish liquid	0.9±0.02	33±1	120 to 240 (customizable)	✓	High Blocking resistance High viscosity, Good pigment wetting and dispersion properties Outstanding lamination bond strength, Good adhesion to substrates, Good yellowing resistance, Excellent leveling and color saturation Excellent solvent release and very low solvent retention, Excellent heat and chemical resistance, Good compatibility with Nitrocellulose Suitable for manufacturing high-speed printing ink
	XPU-HFC		0.95±0.02		35 to 5 sec	✓	
Film forming	XPU-BFC	Transparent	0.93±0.02	33±1	45±5 sec	✓	
Plasticizer	XPU-16	Transparent, slightly yellow	23±2	75±2	2000±500 Cps	✓	The ability to adjust the viscosity without changing the quality according to the customer's request No migration of aromatic amines Compatible with nitrocellulose Adhesive strength Gloss High compatibility with all types of pigments
Semi Film forming	XPU SC	Transparent	0.97 ± 0.02	60 ± 2	35±5 sec	✓	High gloss, good adhesion on OPP, PET, PA, excellent adhesion on PE good water and oil and sodium hydroxide resistance good scratch resistance
Adhesion & gloss enhancer	ADEX 04	Transparent colorless liquid	0.98±0.02	75±1	—	✓	-Enhances the adhesion of inks to a wide range of plastic films, including BOPP and PES substrates -Improves ink anchorage even on untreated or low-treatment surfaces, delivering up to %100 adhesion -Ensures strong and reliable ink bonding to difficult substrates, reducing the need for corona or chemical treatment -Improves the surface brilliance and visual appeal of printed films -Slightly increases ink viscosity, contributing to improved printability and ink transfer

PU Resin for:

- Printing Inks
- Pigment concentrates
- Plastic coating
- Wood coating

Applications:

Plastisizing. Film forming. Semi film forming

Characteristics:

Full aliphatic resin
Excellent hardness and brightness
Compatible with pigments and Ethanol, Acetone and butylacetate.

Anti UV (Resistant to light)
Excellent adhesion on plastics
Excellent heat resistance
Outstanding lamination bond strength
No PAA (Primary Aromatic Amine)
Good compatibility with nitrocellulose
Excellent solvent release suitable for high speed
Odor less final product
Customizable viscosity
Compatible with Maleic resin
Excellent dispersibility
(Toluene, MEK, TIN) FREE
Anti aging



PERSONALIZED SERVICES AND CONTRACTS

We Collaborate on research projects with customers and suppliers for reaching tailor made products.
Compilation and collection of scattered information and experiences and organization of information
Providing technical knowledge catered to customers and colleagues in line with social responsibility.



Labratorial Servicces

3 labratories of TAKNAM GROUP are available for any customers QC tests or quality consulting.



7/24 Customer technical Support

Don't hesitate to call our technical experts any time or day of week in case you need any help! You can count on our experts where you're eager to produce new different products.



Training and publication services

TAKNAM global experts team is ready to provide educational, research and publishing services in order to enhance the knowledge of the operators of the flexible packaging industry.



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