NOVA
TRADING EUROPE

POLYURETHANE ADHESIVES FOR INDUSTRY

novaeu.org

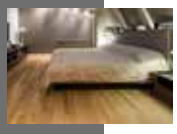
Blvd Nicolae Titulescu nr.20, apt.17, Cluj-Napoca, Romania 400420

Application Domains

Adhesives for Profile Wrapping – Wood Industry

Adhesives for Lamination

Lamination Adhesives – High Gloss



Adhesives for Parquet

Edge banding adhesives

Adhesives PVC – PVC

Adhesives for Textile industry

Hot melt adhesives for paper, board and packaging

High performance adhesives for difficult surfaces

Hot melt adhesives for food packaging

High performance adhesives for board and carton

Tetra Pack Line

Application Domains

Hot-melt adhesives for PET bottles and containers

Hot-melt adhesives for metal-cans and containers

Hot-melt adhesives for bookbinding

Hot melt adhesive for medical plasters

Hot melt adhesive for the production of self-adhesive materials

Hot melt adhesive for the production of courier bags

Hot melt adhesive for hygiene products

Hot melt adhesive for pocket springs

Hot melt adhesive for mattress layers

Hot melt adhesive for alcohol caps

Permanent Bag Sealing Tape

ADHESIVES FOR PROFILE WRAPPING

WOOD INDUSTRY

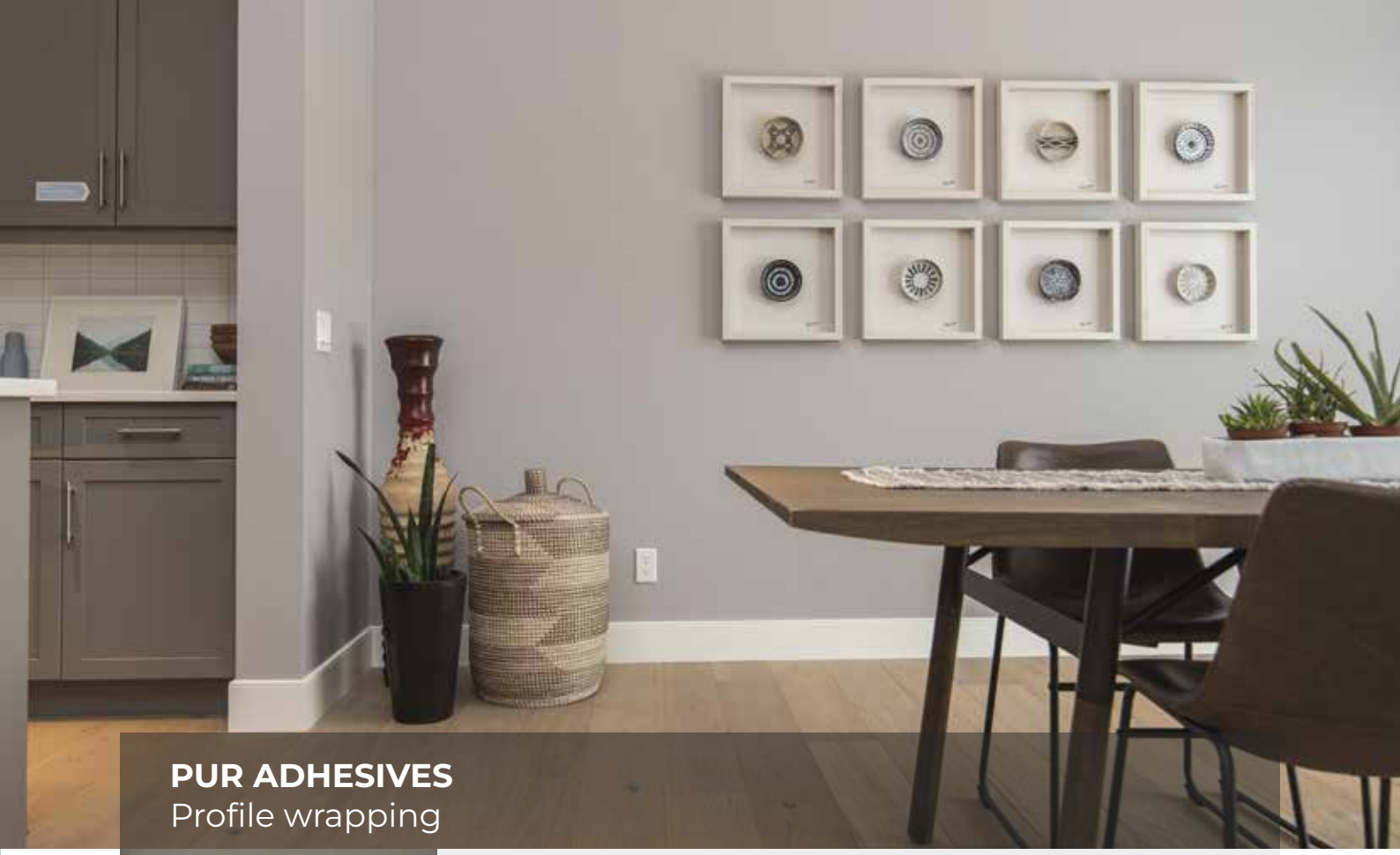
PUR

From the beginning of time, mankind has been researching and developing improvements for our homes, seeking higher security, comfort and protection from the environment. In addition, they look for aesthetic finishes and design, and in this aspect, wood moldings are a very demanded option thanks to the elegance they provide.

Profiles wrapped with decorative films are currently used for door frames, skirting boards, window sills, drawers, etc.

The improvements in applications systems and in melting the adhesives have led to faster production lines, where it is very important that the adhesives meet the requirements of the process.

NOVA
TRADING EUROPE



PUR ADHESIVES
Profile wrapping

PUR hot melt adhesives react with the moisture present in the environment during the process of production or with the moisture present in the materials, resulting in thermostable glueing.

These types of adhesives are being increasingly demanded due to the multiple advantages they offer, particularly the possibility of increasing the speed of production processes and increasing the resistance to temperature, hydrolysis and other external agents.

NEOTHERM PU-3512 is our most recommended adhesive thanks to its wide range of applications at different working speeds, with very diverse environmental conditions. Now available **NEOTHERM PU-3512 MLE** (Monomer Low Emisssion).

NEOTHERM PU	3596 F	3596 C	3512	2904 B	3541	2691 L
Viscosity (mPas/140°C)	30.000 ± 10.000	40.000 ± 10.000	27.500 ± 7.500	30.000 ± 10.000	30.000 ± 10.000	22.500 ± 7.500
Processing temperature (°C)	110 - 150	110 - 150	110 - 150	110 - 150	110 - 150	110 - 150
Initial strength	A	A	A	A	A	A
Open time	---	---	--	--	-	-
Application	Standard profile wrapping of MDF, with PVC film, paper, veneer, CPL and aluminium.		Standard profile wrapping of MDF, with PVC film, paper, veneer and CPL. Low emission of free monomer isocyanate < 0,1 % (MLE)			

Initial strength
A Excellent B Good C Medium

Open time
- Very short -- Short --- Medium ---- Long

N-28-EN-REV 10
18/02/2021

ADHESIVES FOR LAMINATION
PUR

Wood has become one of the fundamental resources of construction and design. The need of the human beings to feel in touch with the nature makes them prefer these materials, besides the elegance and warmth that they provide.

Due to the large variety of materials currently used, the need to increase the speed of production processes and society's demand to use more environmentally friendly adhesives, the use of polyurethane reactive hot melts for the lamination of panels is very widespread.

PUR adhesives for lamination are applied on a wide variety of surfaces with excellent results, always meeting the highest quality standards.

NOVA
TRADING EUROPE

PUR ADHESIVES
Lamination

PUR adhesives have two different curing processes:

- Firstly, there is a physical process of change of state from liquid to solid, by cooling, that provides the initial cohesion.
- Then, there is a chemical reaction with moisture, which gives the product high resistance to temperature and extreme environmental conditions.

NEOTHERM PU-3418 RF MLE - New adhesive Monomer Low Emission for lamination. Hazard-free labelling with same performance as its traditional version.

NEOTHERM PU	3565	3669	3418	2943	2787F	2972	3133
Viscosity (mPas/120'C)	17.500±2.500	10.500±2.500	7.500±2.500	7.500 ± 2.500	12.500 ± 2.500	10.500±2.500	12.500±2.500
Processing temperature (°C)	110 - 150	110 - 150	110 - 150	110 - 150	110 - 150	110 - 150	110 - 150
Initial strength	A	A	B	C	A	A	B
Open time	---	---	---	----	--	-	---
Application		General bondings			Sandwich elements with high initial strength		Specific ceramic, glass and metal elements.
			Low emission of free monomer isocyanate < 0,1 % (MLE)			Low emission of free monomer isocyanate < 0,1 % (MLE)	

Initial strength
A Excellent B Good C Medium

Open time
- Very short -- Short --- Medium ---- Long

N-09-EN-REV 08
18/02/2021

LAMINATION ADHESIVES
HIGH GLOSS PUR

Over the last decades, interior construction has followed a trend towards high gloss finished surfaces, especially when designing kithcen spaces, one of the most important places at home.

Laminating this kind of surfaces requires very demanding processes in terms of quality of materials and production, since the aesthetic requirements are very important.

PUR adhesives for high gloss lamination are applied on a variety of surfaces with excellent results, always meeting the highest quality standards of the industry.

NOVA
TRADING EUROPE

PUR ADHESIVES
Lamination - High gloss

PUR hot melt adhesives react with the moisture present in the environment during the process of production or with the moisture present in the materials, resulting in thermostable gluing.

These types of adhesives are being increasingly demanded due to the multiple advantages they offer, particularly the possibility of increasing the speed of production processes and increasing the resistance to temperature, hydrolysis and other external agents.

Our adhesive **NEOTHERM PU-3352** offers an excellent performance on laminating and post forming process.

NEOTHERM PU	3565	3669	3418
Viscosity (mPas)	30.000 ± 5.000 (140°C)	7.500 ± 2.500 (120°C)	7.500 ± 2.500 (120°C)
Processing temperature (°C)	110 - 160	110 - 150	110 - 160
Roller	■	■	■
Slot nozzle	■		■
Materials	PVC, paper, high gloss materials (ABS, PET, PMMA, PC...)	CPL, plastic laminate	PVC, paper, high gloss materials (ABS, PET, PMMA, PC...), transparent materials
Production	Continuous process of flat and post-formed lamination	Continuous / discontinuous process of flat lamination	Continuous process of flat lamination

PUR adhesives have two different curing processes:

- Firstly, there is a physical process of change of state from liquid to solid, by cooling, that provides the initial cohesion.
- Then, there is a chemical reaction with moisture, which gives the product high resistance to temperature and extreme environmental conditions.

N-25-EN-REV 01
11/04/2019

ADHESIVES FOR PARQUET
PUR

Nowadays, people are concerned about the aesthetics of their homes, and not only expect functionality and durability, but a finish in perfect condition. The warmth provided by the wooden floors gives us this harmony so desired in our homes.

The manufacture of parquet is made with a wide variety of different materials, which implies that the adhesives used have a great versatility to offer good adhesions on all these materials.

Neoflex has a great experience in the production of adhesives for this sector, as well as in the research and development of improvements that optimize the production process, always meeting the highest quality standards.

NOVA
TRADING EUROPE

PUR ADHESIVES
Parquet

PUR hot melt adhesives react with the moisture present in the environment during the process of production or with the moisture present in the materials, resulting in thermostable glueing.

These types of adhesives are being increasingly demanded due to the multiple advantages they offer, particularly the possibility of increasing the speed of production processes and increasing the resistance to temperature, hydrolysis and other external agents.

PUR adhesives have two different curing processes:

- Firstly, there is a physical process of change of state from liquid to solid, by cooling, that provides the initial cohesion.
- Then, there is a chemical reaction with moisture, which gives the product high resistance to temperature and extreme environmental conditions.

NEOTHERM PU	3342	3604	3639	2787 F
Viscosity (mPas)	15.000 ± 5.000 (130°C)	15.000 ± 5.000 (130°C)	22.500 ± 7.500 (120°C)	20.500 ± 5.000 (120°C)
Process temperature (°C)	110 - 160	110 - 150	110 - 150	110 - 150
Initial strength	B	A	A	B
Open time	-	-	---	--
Special properties	Specific for glue lines application	Specific for glue lines application. Fast setting time	Specific for luxury vinyl tile (LVT) flooring	Specific for roller application. Low emission of free monomer isocyanate (MLE)

Initial strength
A Excellent B Good C Medium

Open time
- Very short -- Short --- Medium ---- Long

N-29-EN-REV 05
22/07/2020

EDGE BANDING ADHESIVES
PUR

At present, people are concerned about the aesthetics of their furniture, not only hoping for functionality and durability, but also finish in perfect condition. Coating the edge of the board with decorative foils has provided us with this much desired harmony in our home.

The edge banding of furniture boards is done with a variety of different materials, which means that the adhesives used have a great versatility to offer good adhesions on all these materials.

PUR adhesives for edge banding are applied on a variety of surfaces with excellent results, always meeting the highest quality standards. The application of the appropriate primer is fundamental to guarantee the desired result.

NOVA
TRADING EUROPE

PUR ADHESIVES
Edge banding

PUR hot melt adhesives react with the moisture present in the environment during the process of production or with the moisture present in the materials, resulting in thermostable gluing.

These types of adhesives are being increasingly demanded due to the multiple advantages they offer, particularly the possibility of increasing the speed of production processes and increasing the resistance to temperature, hydrolysis and other external agents.

NEOTHERM PU-2904 is a recommended adhesive for most edging processes, as it offers excellent performance and great resistance to the temperature of finished products, compared to traditional hotmelt adhesives for edging.

NEOTHERM PU	2904	3541
Viscosity (mPas/140°C)	50.000 ± 10.000	60.000 ± 20.000
Processing temperature (°C)	120 - 160	120 - 160
Initial strength	A	A
Open time	--	-
Colours	White	White

Initial strength
A Excellent B Good C Medium

Open time
- Very short -- Short --- Medium ---- Long

PUR adhesives have two different curing processes:

- Firstly, there is a physical process of change of state from liquid to solid, by cooling, that provides the initial cohesion
- Then, there is a chemical reaction with moisture, which gives the product high resistance to temperature and extreme environmental conditions.

N-04-EN-REV 05
20/07/2020

ADHESIVES PVC - PVC

PUR

Window profile wrapping

From the beginning of time, mankind has been researching and developing improvements for our homes, seeking higher security, comfort and protection from the environment. When it comes to our windows, we are not only looking for aesthetics in the design but we are also expecting a guarantee of durability.

Polyurethane reactive (PUR) adhesives for coating window profiles have demonstrated excellent results for many years. Continued research in this field has enabled the development of adhesives for a wide variety of profiles, including PVC, aluminium and wood, that adhere to increasingly diverse decorative materials and at the same time meet the most demanding quality standards of the market.

NOVA
TRADING EUROPE

PUR ADHESIVES
PVC - PVC Window profile wrapping

PUR adhesives and solvents are thermostable products once they have hardened.

NEOTHERM PU	2774	3366	3353
Viscosity (mPas/140°C)	22.500 ± 7.500	20.000 ± 5.000	20.000 ± 5.000
Density	1,10	1,10	1,10
Processing temperature (°C)	110 - 150	110 - 150	110 - 150
Curing time	2 - 3 days	2 - 3 days	1 - 2 days
Resistance to hydrolysis	RAL-GZ 716	RAL-GZ 716	RAL-GZ 716
Cross-linking speed	---	--	--
Adhesion spectrum	B	A	A

Initial strength
A Excellent B Good C Medium

Open time
- Very short -- Short --- Medium ---- Long

PUR adhesives have two different curing processes:

- Firstly, there is a physical process of change of state from liquid to solid, by cooling, that provides the initial cohesion.
- Then, there is a chemical reaction with moisture, which gives the product high resistance to temperature and extreme environmental conditions.

PRIMER	3432 F	1822 F	3424 F
Density (g/ml)	0,80	1,31	0,98
Viscosity (mPas/20°C)	10	12	10
Flammable	Yes	No	Yes
Hazard	GHS 07 GHS 02	GHS 08	GHS 07 GHS 02
Weight (g/m²)	15 - 25	15 - 25	15 - 25
Drying	Hot air and IR system	Hot air and IR system	Hot air and IR system

N-05-ES-REV 08
09/09/2020

ADHESIVES FOR TEXTILE INDUSTRY

PUR Hotmelt

Textile industry is a sector in full development, changing, where every day we find new materials and new production processes.

We use textiles in our day to day, whether in our work clothes, lingerie, bed linen, sportswear... Countless and different applications that demand adhesives with different properties, such as fire resistance, resistance to hydrolysis, breathability, fire and flame retardant properties ... All these requirements lead us to a permanent work of innovation and development, in order to be able to meet the demands of the market.

PUR adhesives comply with all these properties, which makes them the best solution for a wide variety of fabrics, exceeding the market quality requirements.

- **Solvent free**
- **Easy automation of application**
- **Excellent resistance to temperature, humidity and extreme environments**
- **Exceptional adhesion to a wide range of materials**

NOVA
TRADING EUROPE

ADHESIVES FOR TEXTILE INDUSTRY
PUR Hotmelt

PUR adhesives have two different curing processes:

- Firstly, there is a physical process of change of state from liquid to solid, by cooling, that provides the initial cohesion.
- Then, there is a chemical reaction with moisture, which gives the product high resistance to temperature and extreme environmental conditions.

ECO-PASSPORT by OEKO-TEX

The products certified under ECO-PASSPORT can be used for the production of human-ecological optimized textiles & leathers. The research reveals that there is no harmful effect on the human and environmental health of the textiles & leathers treated/finished with the certified products.

Check our products for textile lamination with ECO PASSPORT by OEKO TEX certificate.

NEOTHERM PU	3425 R	3550	3551	3344.1	2780	2780 FR	3103
Viscosity (mPas/100°C)	40.000 ± 10.000	3.000 ± 1.000	5.000 ± 1.000	-	10.000 ± 2.000	10.000 ± 2.000	25.000 ± 5.000
Viscosity (mPas/120°C)	17.500 aprox	750 aprox	3.000 aprox	5.000 aprox	5.000 aprox	5.000 aprox	12.500 aprox
Processing temperature (°C)	110 - 150	90 - 110	90 - 120	100 - 140	90 - 120	90 - 120	100 - 140
Initial strength	B	B	A	A	A	A	A
Fabric-membrane	■	■	■	■	■		
Fabric-fabric	■	■	■	■	■		
Sponges							■
Technical fabrics	■			■		■	
Special properties	Good adhesion to low surface energy materials	Good hydrolysis resistance	· Highest hydrolysis resistance · Sterilization resistance	· High hydrolisis resistance · Wide range of applications.	Wide range of applications	Flame retardant	Excellent initial strength
OEKO-TEX	■	■	■	■	■		

Initial strength A Excellent B Good C Medium

N-19-EN-REV 11
29/07/2021

TERMOPACK®

Hot melt adhesives for paper, board and packaging

Hot melt adhesives are most suited due to high processing speed in the logistics process. Our broad offering of adhesives for folding carton applications satisfies for various volume and corner-type gluing demands.

NOVA
TRADING EUROPE

TERMOPACK®

Hot melt adhesives for cartons and boxes

Recommended uses: Case, carton sealing and tray forming

Code	Appearance	Mettler Softening Point (°C) Min	Mettler Softening Point (°C) Max	Brookfield Viscosity at 160°C (cps) Min	Brookfield Viscosity at 160°C (cps) Max	Open Time	Bonding at 20°C	Bonding at 4°C	Bonding at 50°C
Termopack 25 H	yellow granules	109,0	115,0	1300	1900	Short	++	**	+++
Termopack 31	yellow granules	109,0	113,0	1050	1450	Short	+++	***	++
Termopack 33	yellow granules	110,0	114,0	1200	1600	Short	++	**	+++
Termopack 35	yellow granules	110,0	114,0	1300	1700	Short to medium	++	**	++
Termopack 40	yellow granules	109,0	113,0	650	950	Short to medium	++	**	+
Termopack 44	white granules	106,0	110,0	1000	1400	Short	++	***	++
Termopack 54	yellow granules	110,0	114,0	2200	2800	Short	+++	**	+++
Termopack 59	yellow granules	110,0	114,0	1100	1400	Short	++	**	+++
Termopack 54 E	yellow granules	104,0	114,0	1700	2300	Medium	++++	***	++
Termopack 1125	yellow granules	108,0	114,0	1800	2200	Short to medium	+++	***	++
Termopack 115	yellow granules	109,0	115,0	1600	2200	Short	++	**	++++

Recommended uses: low application temperature

Code	Appearance	Mettler Softening Point (°C) Min	Mettler Softening Point (°C) Max	Brookfield Viscosity at 160°C (cps)	Open Time
Termopack 10	yellow granules	95,0	105,0	1900	Short
Termopack 12	yellow granules	72,0	82,0	1700	Short to medium
Starmelt 1400	white granules	98,0	106,0	1800	Medium

TERMOPACK®

Hot melt adhesives for paper, board and packaging

Recommended uses: high speed machines with a high room temperature

Code	Appearance	Mettler Softening Point (°C) Min	Mettler Softening Point (°C) Max	Brookfield Viscosity at 160°C (cps) Min	Brookfield Viscosity at 160°C (cps) Max	Open Time	Bonding at 20°C	Bonding at 4°C	Bonding at 50°C
Termopack 27	yellow granules	109,0	113,0	1200	1600	Short	++	**	+++
Termopack 36	yellow granules	109,0	113,0	1600	2000	Short	++++	****	++++
Termopack 36 XL	yellow granules	110,0	114,0	1600	2100	Short	++	**	++++
Termopack 595	yellow granules	110,0	116,0	900	1500	Very Short	+++	**	++++
Termopack 396	yellow granules	111,0	119,0	1800	2200	Very Short	+++	***	++++
Termopack 39	yellow granules	109,0	113,0	1800	2100	Very Short	++	**	++++

Recommended uses: hot filing products (high heat resistance)

Code	Appearance	Mettler Softening Point (°C) Min	Mettler Softening Point (°C) Max	Brookfield Viscosity at 160°C (cps) Min	Brookfield Viscosity at 160°C (cps) Max	Open Time	Bonding at 20°C	Bonding at 4°C	Bonding at 50°C
Termopack 38	white granules	110,0	115,0	800	1000	Very Short	++	*	+++
Termopack 45	white granules	108,0	114,0	700	1000	Very Short	+++	**	++++
Termopack 68	white granules	112,0	124,0	2000	3000	Very Short	+++	**	+++++
Termopack 39 D	yellow granules	117,0	121,0	2500	2900	Very Short	++	*	++++

TERMOPACK®
High performance adhesives for difficult surfaces

Recommended uses: Difficult surfaces

Code	Appearance	Mettler Softening Point (°C) Min	Mettler Softening Point (°C) Max	Brookfield Viscosity at 160°C (cps) Min	Brookfield Viscosity at 160°C (cps) Max	Brookfield Viscosity at 180°C (cps) Min	Brookfield Viscosity at 180°C (cps) Max	Open Time	Bonding at 20°C
Termopack 28	yellow granules	108,0	114,0	1600	2000	-	-	Medium	++
Termopack 32	yellow granules	107,0	111,0	-	-	1200	1500	Long	++++
Termopack 34	yellow granules	109,0	113,0	1800	2200	-	-	Medium	+++
Termopack 34 MC	light yellow granules	107,0	111,0	1500	1700	-	-	Medium	+++
Termopack 54 E	yellow granules	104,0	114,0	1700	2300	-	-	Medium	+++

Recommended uses: Difficult surfaces

Code	Appearance	Softening Point (Ring & ball) (°C) Min	Softening Point (Ring & ball) (°C) Max	Brookfield Viscosity at 150°C (cps) Min	Brookfield Viscosity at 150°C (cps) Max	Brookfield Viscosity at 180°C (cps) Min	Brookfield Viscosity at 180°C (cps) Max	Open Time	Bonding at 20°C
Termopack 815	yellow Pillows	80,0	90,0	-	-	2400	3400	Medium	++++
Termopack 780	Transparent Pillows	82,0	92,0	-	-	1000	2000	Long	++++

Recommended uses: Difficult surfaces

Code	Appearance	Softening Point (Ring & ball) (°C) Min	Softening Point (Ring & ball) (°C) Max	Brookfield Viscosity at 190°C (cps) Min	Brookfield Viscosity at 190°C (cps) Max	Open Time	Bonding pp/pp at 20°C		
Termopack 60	white off blocks	140,0	150,0	5000	7000	medium	++++		

TERMOPACK®
Hot melt adhesives for food packaging

Recommended uses: freeze grade (frozen foods)

Code	Appearance	Mettler Softening Point (°C) Min	Mettler Softening Point (°C) Max	Brookfield Viscosity at 160°C (cps) Min	Brookfield Viscosity at 160°C (cps) Max	Open Time	Bonding at 20°C	Bonding at 4°C	Bonding at 50°C
Termopack 29	white granules	108,0	112,0	1200	1500	-	-	Short	**
Termopack 29	AC white granules	106,0	112,0	1300	1700	-	-	Short to medium	***
Termopack 16	white granules	104,0	110,0	1000	1400	-	-	medium	****
Termopack 30	yellow granules	109,0	113,0	1600	1900	-	-	medium	**
Termopack 31	yellow granules	109,0	113,0	1050	1450	-	-	Short	**
Termopack 32	yellow granules	107,0	111,0	-	-	1200	1500	Long	****
Termopack 34	yellow granules	109,0	113,0	1800	2200	-	-	medium	***
Termopack 34 BS	yellow granules	109,0	113,0	1800	2200	-	-	medium	***

One of the most important features of hot melt adhesives is the food safe for packaging applications. These types of adhesives are not causing environment degradation.

NOVA TRADING EUROPE

novaeu.org

STAR MELT
High performance adhesives for board and carton

Carton sealing and Packaging hot melt adhesives made for low and high temperature binding for carton boxes, also used for refrigerated and frozen paper boxes. Their most important features are the high adhesion & fit for different treated surface, and low cost with high reliability. They are the most utilized in paper box and corrugated carton applications.

Recommended uses: Carton closing & tray forming

		Softening Point (Ring & ball) (°C)		Brookfield Viscosity at 160°C (cps)		Brookfield Viscosity at 190°C (cps)		
Code	Appearance	Min	Max	Min	Max	Min	Max	Remarks
Starmelt 650	white granules	108,0	114,0	-	-	1100	1500	Multi purpose
Starmelt 1200	white granules	106,0	114,0	-	-	1600	2200	Multi purpose
Starmelt 1400	white granules	98,0	106,0	800,0	1400,0	-	-	Low application temp
Starmelt 1800	white granules	114,0	120,0	-	-	2000	2600	Superior Bonding
Starmelt 900	white granules	106,0	112,0	-	-	1200	1600	Short open time

TETRA PACK LINE

The reliability of the packaging is one of the important factors that determine the volume of demand in the highly competitive food market. Therefore, whatever the conditions of transport, use and storage, Tetra Pak caps must be securely attached to the packaging in which you fill your products. A high-quality Tetra Pak cap adhesive has high thermal stability, low temperature resistance and no threads during operation.

Recommended uses: Tetra-pack lines (juice, milk, etc.)

		Softening Point (Ring & ball) (°C)		Brookfield Viscosity at 160°C (cps)		Brookfield Viscosity at 190°C (cps)		
Code	Appearance	Min	Max	Min	Max	Min	Max	Remarks
Termopack 44	white granules	106,0	110,0	1000	1400	-	-	Straw attachment
Termopack 29	white granules	108,0	112,0	1200	1500	-	-	Carton closing
Termopack 61	Semi-PSA white color Blocks	95,0	105,0	-	-	1500	2500	Slim cap

TERMOPACK®

Hot-melt adhesives for PET bottles and containers

PLASTIC - PET BOTTLES

For pressure sensitive applications like PET labeling hot melt adhesives are the optimal solution for high-speed processes.

METAL - CANS

From our distribution list all the Can and Container adhesives can be created to meet specific technical requirements.

NOVA
TRADING EUROPE

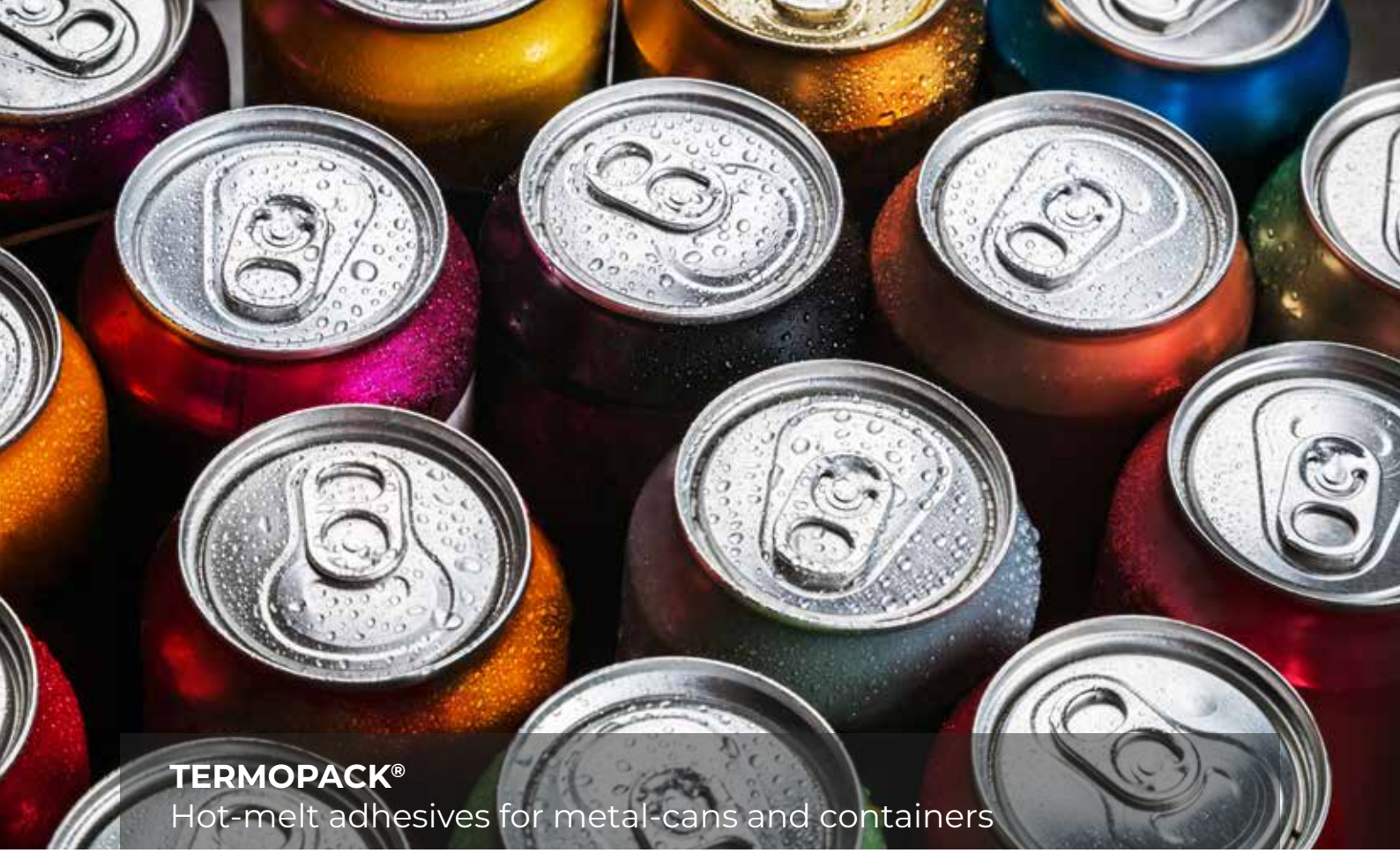
TERMOPACK®
Hot-melt adhesives for PET bottles

Recommended uses: PET bottles labeling with PP labels (carbonated drinks)

Code	Appearance	Softening Point (Ring & ball) (°C)		Brookfield Viscosity at 120°C (cps)		Brookfield Viscosity at 140°C (cps)		Brookfield Viscosity at 150°C (cps)		Bonding
		Min	Max	Min	Max	Min	Max	Min	Max	
Termopack 81	Yellow transparent pillows	70,0	76,0	-	-	-	-	1000	1300	+++
Termopack 83	Transparent pillows	79,0	85,0	-	-	-	-	700	1000	++++
Termopack 85	Transparent pillows	80,0	86,0	-	-	-	-	800	1200	++
Termopack 90	Yellow transparent pillows	70,0	80,0	-	-	550	950	-	-	++++
Termopack 95	Yellow transparent blocks	66,0	72,0	1200	1600	-	-	-	-	+++
Termopack 947	Yellow transparent pillows	62	72	-	-	-	-	700	1100	+++

Recommended uses: PET bottles labeling with Paper/PP labels (mineral water)

Code	Appearance	Softening Point (Ring & ball) (°C)		Brookfield Viscosity at 150°C (cps)		Brookfield Viscosity at 160°C (cps)		Open Time	Bonding at 20°C
		Min	Max	Min	Max	Min	Max		
Termopack 91	yellow pillows	62,0	68,0	1300	1600	-	-	Long	++
Termopack 92	yellow pillows	66,0	72,0	-	-	1300	1600	Medium/ long	++
Termopack 93	white pillows	63,0	69,0	-	-	750	950	Short/medium	++



TERMOPACK®

Hot-melt adhesives for metal-cans and containers

Recommended uses: Metal cans labeling

Code	Appearance	Mettler Softening Point (°C) Min	Mettler Softening Point (°C) Max	Brookfield Viscosity at 160°C (cps) Min	Brookfield Viscosity at 160°C (cps) Max	Open Time	Bonding
Termopack 19	yellow granules	78,0	84,0	800	1200	Short to medium	+++
Termopack 19H	yellow granules	75,0	95,0	800	1200	short	++
Termopack 182	yellow granules	92,0	100,0	1300	2000	medium	++++

Recommended uses: Metal cans labeling

Code	Appearance	Mettler Softening Point (°C) Min	Mettler Softening Point (°C) Max	Brookfield Viscosity at 160°C (cps) Min	Brookfield Viscosity at 160°C (cps) Max	Open Time	Bonding
Termopack 92	yellow pillows	66,0	72,0	1300	1600	Medium/long	+++

Our adhesives are ice-proofed, very good clean-ability and excellent machining has been proven.

TERMOPACK®
Hot-melt adhesives for bookbinding

BOOKBINDING

For our books to have a very long life we need to use the best adhesives. Generally hot melt adhesives are the most convenient to use in the gluing process due to their fast curing.

Paper bags confectionary

Hot melt adhesive for confectionery offers versatile bonding and strong adhesion over a larger temperature application range.

NOVA
TRADING EUROPE

TERMOPACK®
Hot-melt adhesives for bookbinding

Recommended uses: Bookbinding (spine gluing)

Code	Appearance	Mettler Softening Point (°C) Min	Mettler Softening Point (°C) Max	Brookfield Viscosity at 160°C (cps) Min	Brookfield Viscosity at 160°C (cps) Max	Brookfield Viscosity at 170°C (cps) Min	Brookfield Viscosity at 170°C (cps) Max	Brookfield Viscosity at 180°C (cps) Min	Brookfield Viscosity at 180°C (cps) Max	Open Time	Bonding
Termopack 630	off white granules	75,0	81,0	2800	3600	-	-	-	-	Medium	++++
Termopack 675	White granules	82,0	88,0	-	-	4000	5000	-	-	Short	++++
Termopack 651	Yellow granules	92,0	98,0	-	-	4400	6000	-	-	Short to medium	+++
Termopack 2231	Yellow granules	79,0	85,0	4500	5500	-	-	-	-	Medium	+++
Termopack 642	Yellow granules	94,0	102,0	-	-	-	-	4400	6000	Short	+++

Recommended uses: Bookbinding (side gluing)

Code	Appearance	Mettler Softening Point (°C) Min	Mettler Softening Point (°C) Max	Brookfield Viscosity at 160°C (cps) Min	Brookfield Viscosity at 160°C (cps) Max	Open Time	Bonding
Termopack 65	White pillows	62,0	72,0	3000	5000	Long	++++

To preserve the environment, we recommend changing the plastic bags.

Hot melt adhesive for medical plasters

We supply NAN PAO medical hot melt adhesives to Poland, Russia, Belarus and Ukraine markets. NAN PAO has 55 years of experience in the production of medical glue. High standards of production and control at critical stages help NAN PAO to guarantee the quality of the product. Many international medical plasters brands use NAN PAO medical hot melt adhesives in their manufacturing process.

Do you need to find an adhesive solution for the production of a plaster, dressing, bandage? Then contact us and we will select the optimal solution for you, taking into account the characteristics of the line and the final product.

NOVA
TRADING EUROPE

Hot melt adhesive for medical plasters

Recommended uses: Medical plasters

Hot melt adhesive	Softening point	Viscosity at 125°C	Viscosity at 150°C	Viscosity, at 175°C
HM-1301	95°C	35.000	19.000	6.500
HM-301P	95°C	22.000	9.000	4.600
HM-1308E	105°C	146.000	23.500	8.000

Recommended usage

Medical plaster	HMA	Comments
Adhesive plaster on a cotton fabric base	HM-1301	Fully transparent adhesive
Bactericidal adhesive plaster	HM-1308E	White (contains Zinc Oxide)
	HM-1301	Fully transparent adhesive
Wound, adhesive bandages	HM-301P	Fully transparent adhesive. Hihgly hyppoallergic "
Roll-on plaster	HM-1308E	White (contains Zinc Oxide)

Types of materials for the production of hot melt adhesives — non-woven fabric, silk, fabric / fabric water-repellent base. Advantages of NAN PAO medical hot melt adhesive:

- excellent hypoallergenicity, breathability, skin compatibility.
- quality of medical hot melt adhesive NAN PAO:

NAN PAO has implemented the world's leading ISO9001 quality management standard with 8 core quality management principles to ensure high quality medical hot melt adhesive.

Hot melt adhesive for the production of self-adhesive materials

Hot melt adhesive for self-adhesive labels with die cut EKOTOP

Hot melt adhesive for aluminum self-adhesive tape

Hot melt adhesive for self-adhesive foams

Hot melt adhesive for Velcro - tapes

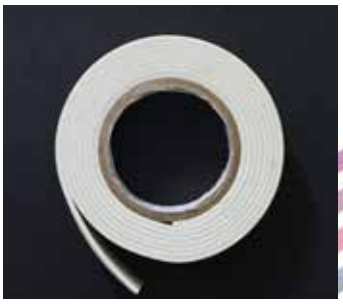
Hot melt adhesive for transfer tape

NOVA
TRADING EUROPE

Hot melt adhesive for the production of self-adhesive materials

Recommended usage

HMA	Successful application by NOVA
HM-1215	Production of self-adhesive labels for deep freezing. Production of adhesive tapes at low temperatures.
HM-2203	Non-woven waterproofing vapor-permeable tape for window installation
HM-1218	Self-adhesive expanded polystyrene. Underfloor heating system
HM-216	Selfadhesive foamed polyethylene production
HM-1242	Various self-adhesive materials due to high adhesion of the adhesive (self-adhesive paper, aluminum tape, non-removable labels, self-adhesive foams)
HM-1285	Duct tape (TPL)
HM-220	Bonding of PVC materials. Self-adhesive PVC tiles.
HM-1229	Selfadhesive BOPP tape
HM-1238	Self-adhesive label production(Logistics label, bottle label, Ecotop label)
HM-259	Selfadhesive velcro tape
HM-1769	Soundproofing for cars. High temperature resistance
HM-2222	Self-adhesive felt, A4 selfadhesive paper



Hot melt adhesive NAN PAO has established itself as the optimal solution for the production of adhesive tape. Market leaders trust us.

novaeu.org

NOVA TRADING EUROPE

Hot melt adhesive for the production of courier bags

Our company has been supplying hot melt adhesives for the production of courier bags, self-adhesive bags, safe bags for 15 years. When choosing an adhesive, we take into account the film material, the specifics of the equipment and the client's wishes for the final task.

NOVA
TRADING EUROPE

Hot melt adhesive for courier bags

Every customer is unique, therefore our customers can choose from a broad type of adhesives. You can find below other types of adhesives with their technical details:

HMA	Appearance	Softening point	Viscosity, 165°C	Viscosity, 185°C	Transition glass, °C	Comment
HM-219W	Yellowish block	100°C	7000 cps	3800 cps	- 12°C	Very good adhesion to PE
HM-2203	Yellowish block	105°C	10600 cps	5600 cps	- 16°C	Very good adhesion to PE. Low Transition glass."
HM-1242	Yellowish block	98°C	7800 cps	4900 cps	- 5°C	Very good adhesion to PE

One of the several problems when using hot melt adhesives on PE bags is that of ridge creation.

Hot melt adhesive for hygiene products

Positioning hot melt adhesive

Used in the production of feminine hygiene products.

Elastic hot melt adhesive

It is used for the production of baby and adult diapers.

Construction hot melt adhesive

Used for the production of pads, diapers, backsheet (lamination of non-woven fabric with polyethylene film).

NOVA
TRADING EUROPE

Hot melt adhesive for hygiene products

Recommended usage

HMA	Application	Softening point	Viscosity, 150°C	Viscosity, 160°C	Viscosity, 175°C
HM-8112	Construction	88°C	3000 cps	1950 cps	1300 cps
HM-8822	Elastic	100°C	6500 cps	4000 cps	2800 cps
HM-816	Positioning	81°C	2800 cps	2000 cps	1300 cps

To choose the right positioning adhesive for your product, it is necessary to take into account

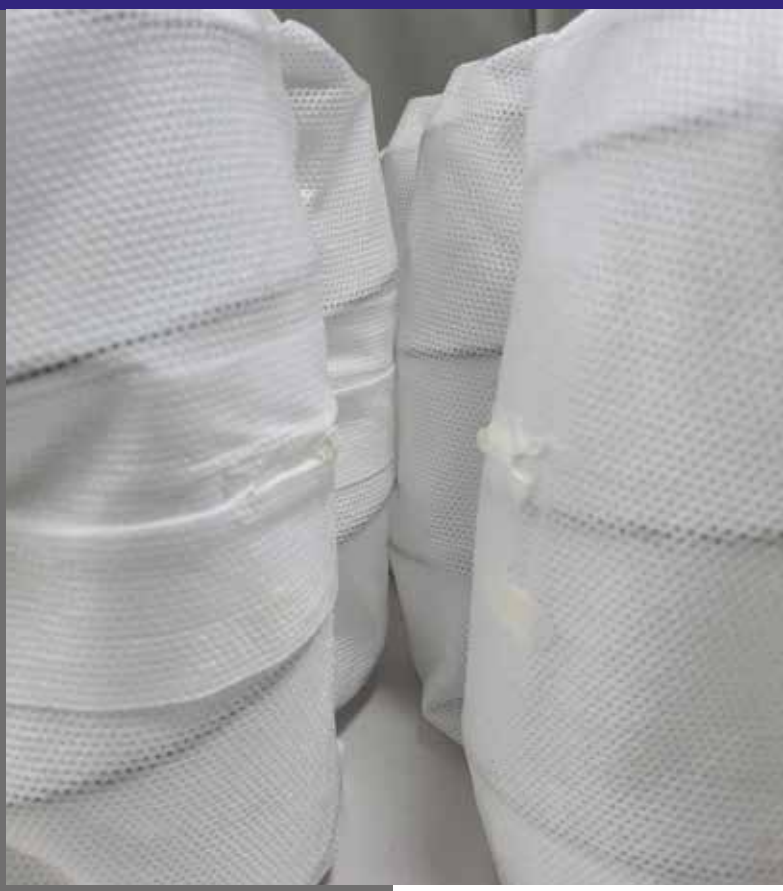
- backsheet material - non-woven fabric, polyethylene or breathable film
- the expected adhesion to cotton / silk (considering aging)
- application method - transfer or direct application

Hot melt adhesive for pocket springs

Hot melt adhesive for gluing spring blocks together must have high adhesion to spunbond, elasticity. Should not lose its properties at low temperatures.

We will select hot melt adhesive for your enterprise, depending on

- the type and speed of your equipment
- density of spunbond



NOVA
TRADING EUROPE

Hot melt adhesive for pocket springs

Recommended usage

HMA	Appearance	Softening point	Open time	Viscosity, 150°C	Viscosity, 160°C	Comment
HM-619	Yellowish granule	85°C	15 sec	2300 cps	1650 cps	Very high adhesion to non-woven, very good elasticity

The manufacturing of pocket strings is a separate process that of the mattress production. The strings are obtained by cutting process and afterwards these strings are being inserted into individual fabric bags. Hot melt adhesives are used to apply glue material to the side of pocket strings. These pocket strings are glued into a unit block.

Hot melt adhesive for mattress layers

The purpose of the hot melt adhesive for the mattress layers is to glue all the inner layers of the mattress as tightly as possible. The difficulty is that there are many layers with different type of material therefore hot melt glue must have good adhesion to all these materials: fibertex, coira, foam, rubber, latex, nonwovens, batting, cotton, linen, felt.

We have selected hot melt adhesives in order to reliably bond all these materials.

NOVA
TRADING EUROPE

Hot melt adhesive for mattress layers

Recommended usage

HMA	Appearance	Softening point	Open time	Viscosity, 150°C	Viscosity, 175°C
HM-5804	White blocks	100°C	2-3 min	5000 cps	2200 cps
HM-1801	Yellow blocks	75°C	Permanent	3000 cps	1300 cps

Hot melt adhesives for mattresses fall into two categories — fully cure adhesives and residual tack adhesives. Fully cured hot melt adhesive is a polyolefin based adhesive that, after curing, forms a highly cohesive adhesive layer. After polymerization of such a hot melt adhesive, the mattress components cannot be peeled off and re-glued by hand.

Hot melt adhesive with residual tack is a synthetic rubber-based adhesive that remains sticky even after curing and the components of the mattress can be glued without damage and re-glued by hand.

When choosing an adhesive, we also take into account the requirements for the presence / absence of odor.

Hot melt adhesives for alcohol caps

Alcohol caps application means that we need to bond Wooden/Synthetic (ABS plastic, FOAMED PE) LEG with Synthetic (ABS plastic, FOAMED PE) CAP

The most suitable Hot Melt Adhesive

HMA	Material LEG / CAP	Under room temperature	Under +50°C	Under -20°C	Temperature of HMA application (dipping of the LEG to the tray with HMA)	Temperature of HMA application (application by nozzle)	HMA coating
HM-5802	ABS plastic / PE FOAM	The bonding is stable	The bonding is stable	The bonding is stable	HMA tray temperature is 200°C	170° - 180°C	0,2 - 0,25 g
	Wood / PE FOAM	The bonding is stable	The bonding is stable	The bonding is stable			
	PE FOAM / PE FOAM	The bonding is stable	The bonding is stable	The bonding is stable			
	Agglomerated cork / Wood	The bonding is stable	The bonding is stable	The bonding is stable			

SEAL KING
Permanent Bag Sealing Tape

The excellent adhesion works well on surfaces of a variety of plastic bags and enables repeated opening and closing. It' s stable and weatherproof. In addition, the special finger lift design ensures easy removal of liner.

NOVA
TRADING EUROPE

Security Tape - Tamper Evident

Three Principal Types of Security Tape:

1.Partial-transfer; 2. Total-transfer; 3. Non-transfer.

These tapes can be applied to materials such as metal, plastic, papers and glass to help prevent forgery and tampering of sealed goods.

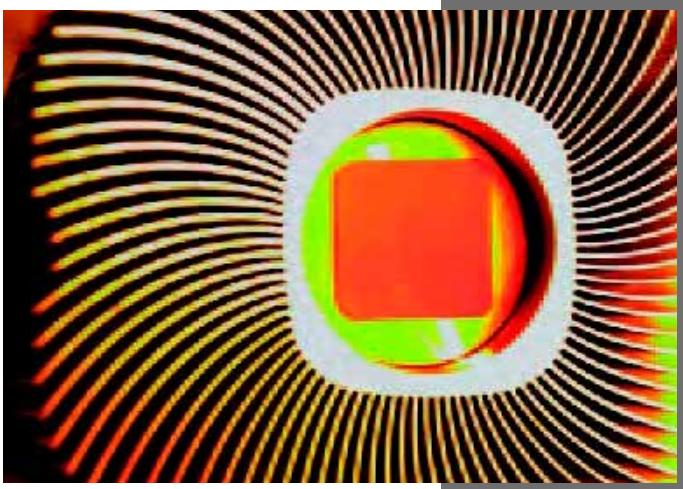
Double Coated Tape

DT/DM/DP Serials:

According to respective features of each series, these tapes can be widely used for bonding nameplates, panels, cartons, mechanical components, leather, stationery and other items. Available with a variety of carriers including Non Woven Tissue /PET/ PVC, this adhesive meet requirements of various kinds of material.

Transfer Tape

Produced in accordance with needs of specific markets, Transfer Tape is divided into types for use in electronic transfer, heat-resistant transfer, consumer transfer and other types of transfer tapes.



Thermal Conductive/Electric Conductive Tapes

Thermally conductive tapes constructed from transfer and glass fiber backings to help facilitate good thermal conductivity.

Electrically conductive tapes are applied with transfer adhesive film onto copper and aluminum conductive fabrics, conductive gaskets, thus exhibit good EMI/RFI shielding properties.

Bag Sealing Tape

Bag sealing tapes offer the best choice for soft package materials.

Light release products can be used for both PE, OPP bags and all related materials. We also offer customized printing of liners to meet our clients' specific needs helping to increase the products' added value.

Foam Tape

Foam tapes for specific industrial market segments. Carriers include: EVA, PE, rubber and acrylic,(VHB type).Adhesive types include: solvent acrylic and rubber.

Stationery/Packing Tape

ESTAPE:

Innovative patented design that is convenient and user friendly; easy tear, easy stick, indispensable helping hand used in many environments.

Protection Tape

Carriers include PE and PET, produced with Seal King's special low-adhesive protection film formulation. Variety of industrial uses including surface protection of nameplates, automotive body applications, white goods, electronics industry, etc.








NOVA
TRADING EUROPE

Blvd Nicolae Titulescu nr. 20, door 17
Cluj-Napoca, Romania 400420

UAB Dage Capital
Smolensko g.10A,
03201, Vilnius, Lithuania

+40 744 473 113
+40 752 032 515
info@novaeu.org
novaeu.org