

Precollee

AFFORDABLE AUTOMATION SOLUTIONS

Precollee

NEW MATERIAL TECHNOLOGY



ABOUT COMPANY

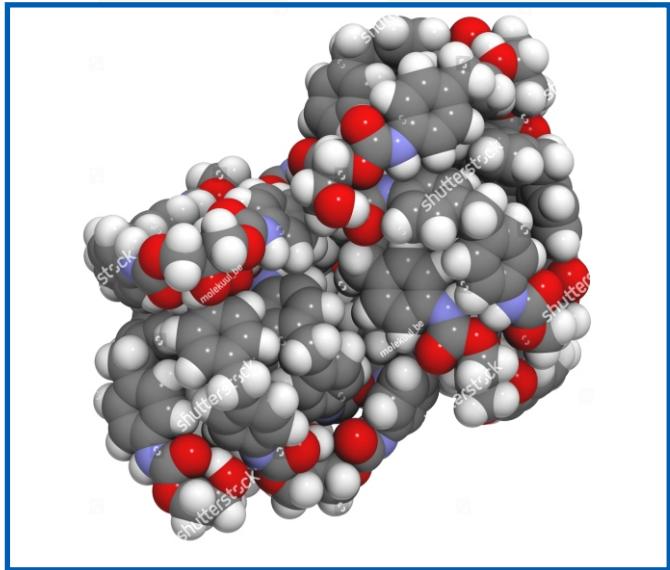


A Focused team of new age entrepreneurs have come together to form & create an establishment primarily to collaborate with the industry for sustainable transformation into industrial revolution 4.0.



OUR STORY

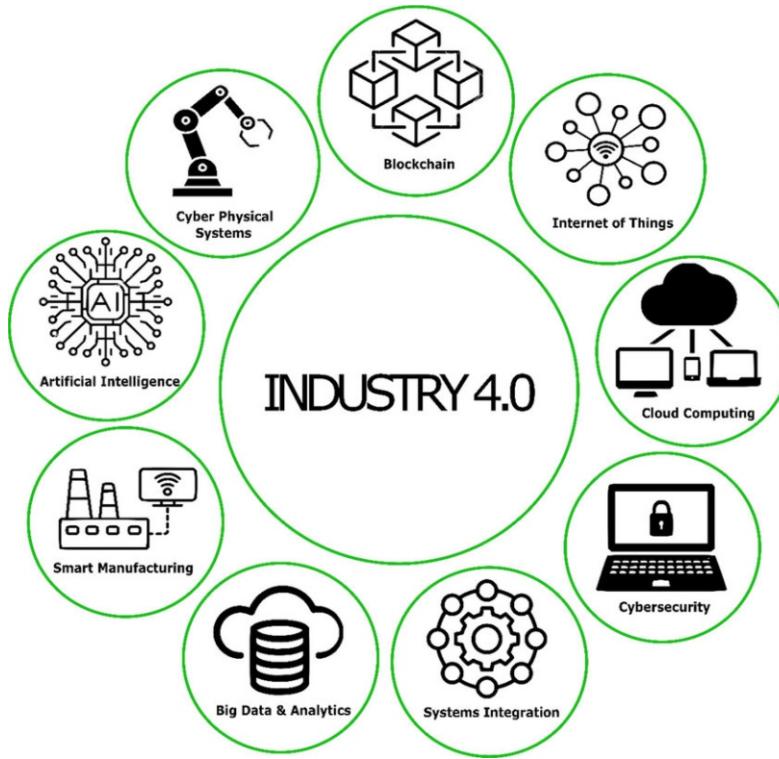
Founded with a focus on the fashion industry, we initially specialized in producing adhesives for leather goods, shoes, and other fashion accessories. Our products quickly gained recognition for their durability and performance, helping us establish a strong foothold in the market. Over time, we expanded our offerings to include innovative adhesive solutions for the textile industry, catering to the specific needs of fabric bonding and other applications.



OUR MISSION

Our mission is to provide high-performance adhesive solutions that help our clients optimize their production processes while maintaining sustainability and cost-effectiveness. We are committed to innovation, quality, and continuous improvement in everything we do.

OUR EVOLUTION



As part of our commitment to innovation and growth, we have ventured into the electronics sector. Today, we manufacture advanced technical adhesives tailored for the unique demands of electronic components and devices. These products are designed to meet the high standards of reliability, heat resistance, and precision required by this fast-evolving industry.

PRODUCT CERTIFICATION

THERMOPLASTIC POLYURETHANE (TPU)

PRL-TPU series hot-melt adhesives have excellent characteristics of good bonding strength, soft hand feeling and good elasticity. They are widely used in lamination of elastic textiles, leather, shoe materials & carpets and heat transfer printing.

They are widely used in leather, sponge, non-woven fabrics, foam materials, metal bonding and shoe materials, underwear, automotive interior decoration & home textile and etc.



APPLICATION



Textile & Interlining



Leather



Sponge



Shoes Materials



Metal Materials



Underwear

TPU FILM TECHNICAL DATA SHEET

| Product No. | Melt-index | Hardness | Softening Point(C) | Features and Usage |
|-------------|--------------------|----------|--------------------|--|
| PRL-6595 | 5-25/150°C/2.16KG | 70A-80A | 80-90 | Suitable for Leather, textile & shoe materials lamination, decorative films & heat transfer TPU. |
| PRL-6530 | 5-15/150°C/2.16KG | 75A-85A | 105-115 | Suitable for Leather, textile & shoe materials lamination, decorative films & heat transfer TPU. |
| PRL-6585 | 20-40/120°C/2.16KG | 70A-80A | 65-75 | Low melt point, suitable for low temperature textile lamination & Leather. |
| PRL-6535 | 5-15/150°C/2.16KG | 85A-90A | 130-140 | High temperature resistance, suitable for medium and high temperature lamination for textiles & Leather. |

TPU FILM TECHNICAL DATA SHEET

| Product No. | Type | Melting Range | | Bonding Condition | | | Features and Usage |
|-------------|--------------------------------|---------------|-------------|-------------------|-------------------|------|--|
| | | DSC | Optical (c) | Temperature | Pressure (kg/cm2) | Time | |
| PRL-S116 | TPU Milk White | 105-115 | 110-120 | 140-160 | 1.0-4.0 | 2-4 | Halogen-free flame retardant, mainly used in flame retardant adhesives in the electronics industry (shielding materials), bonding of conductive cloth, conductive aluminum foil and conductive foam. |
| PRL-S6120 | TPU Colorless and Translucent | 105-115 | 110-120 | 140-160 | 1.0-4.0 | 5-10 | Suitable for bonding nylon fabric,Lycra fabric, various elastic fabrics,PVC, reflective,materials, PU & leather. |
| PRL-S6140 | TPU Colorless and Translucent | 105-115 | 110-120 | 140-160 | 1.0-4.0 | 5-10 | Suitable for seamless shoe material processing,lamination of reflective materials, trademark stickers, leather,netting,PVC and woven fabrics. |
| PRL-S688 | TPU Milk White | 60-70 | 65-75 | 80-110 | 1.0-4.0 | 2-5 | Fast curing speed,used in the field of electronic industry (shielding material)and leather protective cover,ultra-thin conductive cloth,small size foam strip, aluminium foil Mylar,fabric ,wood veneer, leather,conduct cloth ,polyester foam and polyether foam. |
| PRL-D790 | EVA Translucent | 45-85 | 50-90 | 110-130 | 1.0-4.0 | 2-5 | For those requirement of low washing resistance and low bonding strength,suitable for bonding of textiles, shoe materials, aluminium foil Mylar, PET, PP, EVA foam, leather, non-woven, wood & paper. |
| PRL-S770 | EVA Translucent | 55-65 | 60-70 | 90-120 | 1.0-4.0 | 2-4 | Low melt,For those requirement of low washing resistance, suitable for bonding of textiles, aluminium foil Mylar, PET, PP, EVA foam, leather, non-woven, wood, paper, glass and plastic. |
| PRL-S775 | EVA Translucent | 50-70 | 55-75 | 100-120 | 1.0-4.0 | 2-4 | Low melt, for those requirement of low washing resistance and low bonding strength, suitable for bonding of textiles, shoe materials, glass, plastic, EVA foam, leather, non-woven, wood & paper. |
| PRL-LD590 | PO Colorless and Translucent | 70-90 | 75-95 | 110-130 | 1.0-4.0 | 5-10 | Good washing resistance, high transparency, suitable for bonding of cotton, aluminium board, non-woven, aluminium foil, copper foil, denim, embroidery badges, trademarks sticker, handicrafts, Aluminum net ironing, textile & metal. |
| PRL-D8120 | PES Milk White | 105-115 | 110-120 | 130-160 | 1.0-4.0 | 5-10 | Suitable for textile lamination, bonding of various plastics such as PVC, ABS, PET, leather and artificial leather, mesh cloth, aluminium foil, aluminium board & wood veneer. |
| PRL-S8115 | PES Milk White | 105-115 | 110-120 | 130-160 | 1.0-4.0 | 5-10 | Suitable for fabric lamination, bonding of various plastics such as PVC,ABS, PET, leather and artificial leather, mesh cloth, aluminium foil, aluminium board & wood veneer. |
| PRL-S8119B | PES Milk White | 110-120 | 115-125 | 140-170 | 1.0-4.0 | 2-5 | Used in the field of electronic industry (shielding material) , and bonding of aluminium foil Mylar, PET TPR, woven, leather, conductive cloth, polyester foam & polyether foam. |
| PRL-S8125 | PES Milk White | 80-110 | 85-115 | 130-160 | 1.0-4.0 | 5-10 | Fast curing speed, good washing resistance and heat resistance, Suitable for the bonding of fiber fabrics, leather, wood, glass, ceramics, metals, plastics, PVC, PET, shoe materials and hot stamping, flocking transfer printing, Leather, textile lamination. |
| PRL-D9120 | PA Translucent with Light Blue | 90-120 | 95-125 | 135-170 | 1.0-4.0 | 5-10 | Used in bonding of embroidered badges, trademark stickers, Leather & textile lamination. |

Remarks :

- We reserve the right to interpret the above technical data provided by our laboratory, but the are given without guarantee due to different testing environment.
- We could custom made web width and thickness as per your request.

Eva-Based Hot Melt Adhesive Film



Our Eva-Based Hot Melt Adhesive Film is a high-performance adhesive solution engineered to deliver superior bonding strength, stiffness, and flexibility. With a processing temperature of just 80°C, this adhesive film is perfect for bonding two substrates together while ensuring a strong and reliable bond. Ideal for the leather goods industry, it is widely used for attaching leather to various substrates, offering excellent adhesion, stiffness, and a premium hand feel.

Additionally, we offer the ability to customize the open time and tackiness of the adhesive, providing further flexibility to meet specific process application requirements.

Key Features:

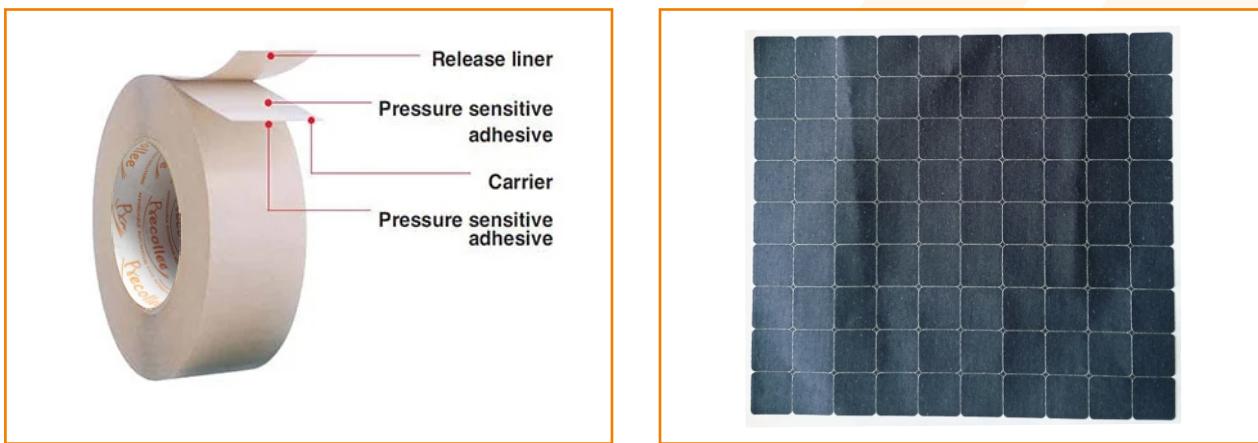
- Strong Bonding Performance: Delivers a durable and reliable bond between substrates, providing excellent adhesion for materials such as leather, textiles, plastics, and composites.
- Optimal Processing Temperature: Requires only 80°C for activation, making it an energy-efficient solution while still achieving strong bonds without damaging delicate materials.
- Enhanced Stiffness and Structure: The adhesive film provides stiffness, making it ideal for leather goods that require a firm bond without compromising flexibility.
- Excellent Hand Feel: Ensures a premium, soft, and smooth tactile experience, especially important for leather products like handbags, shoes, and wallets.
- Adjustable Open Time and Tackiness: We can customize the open time and tackiness of the adhesive, allowing for greater control during application, depending on your process needs.
- Versatile for Multiple Substrates: Trusted by manufacturers in the leather goods industry for bonding leather to a variety of substrates, this adhesive is versatile enough for numerous applications.

Applications:

- Leather Goods Industry: Perfect for bonding leather to substrates in products like handbags, wallets, shoes, belts, and more.
- Footwear: Provides a strong bond for attaching leather to soles and other materials in footwear manufacturing.
- Textile and Fabric Bonding: Ideal for applications requiring a flexible bond between fabrics and various substrates.

Customizable Pressure Sensitive Adhesive (PSA) Solutions

We are excited to introduce our high-quality Pressure Sensitive Adhesive (PSA), a versatile solution designed to meet a wide range of application needs. With our state-of-the-art PSA technology, we offer customizable adhesive solutions that can easily adhere to a variety of surfaces, providing strong, reliable bonds without the need for heat or solvents.



Key Features:

Customizable to Your Needs: Our PSA can be tailored to suit the specific requirements of your products. Whether you need adhesives for paper, plastic, fabric, or other materials, we can customize the adhesive to ensure optimal performance on your chosen surface.

Easy Application: The pressure-sensitive nature of our adhesive means it bonds instantly with the application of light pressure, without the need for additional tools, heat, or curing. This ease of use makes it ideal for a wide range of industries and applications.

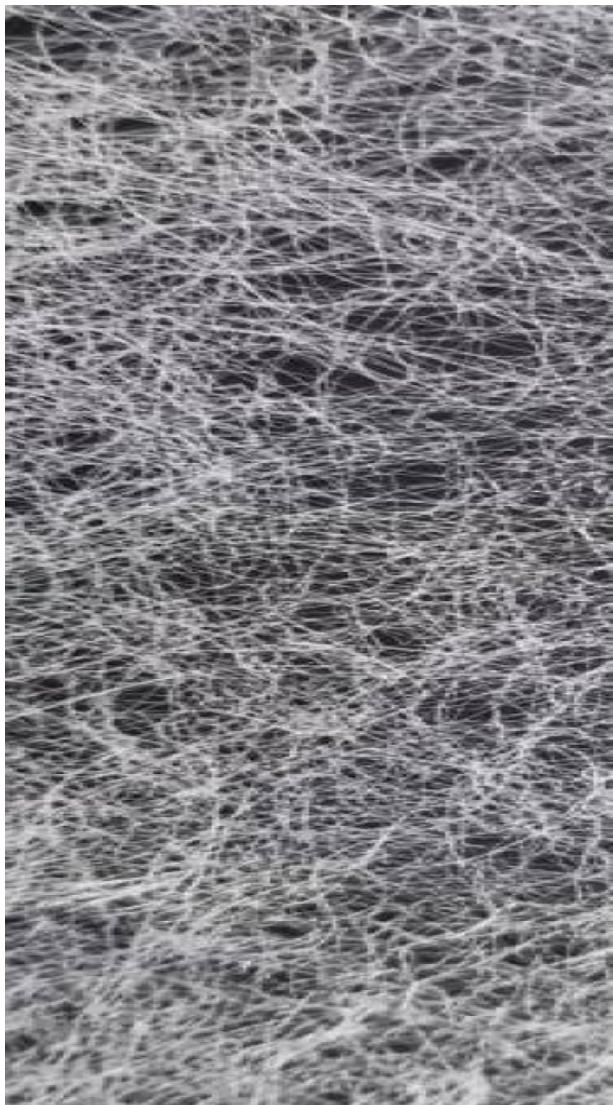
Versatile Surface Compatibility: Our PSA is designed to stick to various surfaces including metals, plastics, glass, and textiles, offering a flexible solution for multiple product designs and materials. Whether you're working with delicate or heavy-duty surfaces, our adhesive provides a reliable bond.

Strong and Durable Bonding: Despite being easy to apply, our PSA ensures a strong and long-lasting bond. It resists environmental factors like moisture, temperature changes, and light abrasion, making it ideal for both indoor and outdoor applications.

Cost-Effective: By using our PSA, you can reduce production time and costs. Its ease of use and strong adhesive properties mean fewer resources are needed to achieve secure bonds, making it a cost-efficient choice for manufacturers.

Wide Range of Applications: From custom product labeling and packaging to industrial applications, our PSA is highly adaptable. We can provide adhesive solutions for a variety of products, including wallets, electronics, signage, and more.

WEB ADHESIVES



Hot melt adhesive web series is a kind of non-woven hot melt adhesive products, which can be convenient for continuous or intermittent operation. The product has excellent washing resistance, dry cleaning resistance, high and low temperature resistance, good air permeability, soft hand feeling, high bonding strength and high viscosity. It is widely used in automotive interiors, home textiles industry, clothing & luggage industry, non-woven fabrics for medical & health, furniture and wood industry.

WEB ADHESIVES TECHNICAL DATA SHEET

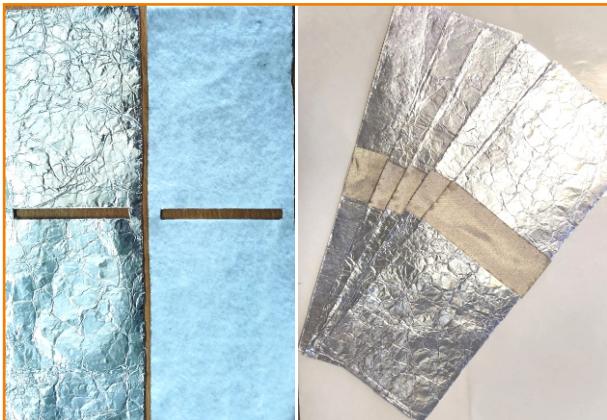
| Product No. | Type | Melting Range | | Bonding Condition | | | Features and Usage |
|-------------|------|---------------|-------------|-------------------|--------------------------------|------|---|
| | | DSC | Optical (c) | Temperature | Pressure (kg/cm ²) | Time | |
| PRL-9213 | COPA | 115-125 | 125-135 | 140-170 | 1.0-2.5 | 8-15 | Suitable for lamination of textile, leather, plastic and metal materials. |
| PRL-9212 | COPA | 115-125 | 125-135 | 140-170 | 1.0-2.5 | 8-15 | |
| PRL-6212 | TPU | 100-110 | 110-125 | 130-160 | 1.0-2.5 | 8-12 | Suitable for lamination of textile, leather, fiberboard and shoe materials. |
| PRL-7285 | EVA | 70-80 | 80-90 | 100-120 | 1.0-2.0 | 8-12 | Low melt, suitable for lamination of textile fabric, EVA foam, leather, non-woven & paper |

Remarks :

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- We could custom made web width and thickness as per your request.

Introducing Our Newly Developed Economic RFID Blocking Component for Wallets

We are proud to present our latest innovation - a highly efficient and economical RFID blocking material designed specifically for wallets. Our new RFID blocking solution combines advanced materials to offer enhanced protection for your personal data while keeping costs affordable and designs sleek.



Key Features of Our RFID Blocking Material:

Enhanced Data Protection: Our RFID blocking component uses a specialized combination of materials that effectively prevent unauthorized access to your card data. This solution safeguards against RFID skimming, ensuring your sensitive information remains private and secure.

Aluminum Foil with Backing for Durability: At the heart of our new component is an aluminum foil layer, reinforced with a durable backing. This material combination ensures long-lasting durability while maintaining its effectiveness in blocking RFID signals. It's a cost-effective solution that doesn't compromise on performance.

Economical and Design-Friendly: Designed with affordability in mind, our RFID blocking material offers a more economical option for wallet manufacturers without sacrificing quality. At the same time, its slim profile and flexibility make it easy to incorporate into wallet designs, providing a sleek and modern look.

Perfect for Consumer Peace of Mind: By integrating this RFID blocking material into your wallets, you are offering consumers an added layer of security. With increasing concerns over identity theft and data skimming, this feature helps prevent the loss of personal card information, giving users peace of mind.

By combining cutting-edge RFID blocking technology with cost-effective materials, we've created a solution that is both practical and accessible for the wallet market. Stay ahead of the curve with our new RFID blocking component and offer your customers the ultimate in data protection.

EMI CONDUCTIVE GASKETS



CONDUCTIVE FABRIC OVER FOAM GASKETS

EMI gaskets are electrically conductive polyester fabric wrapped around a low compression force PU foam. Ideal for gaskets for use on doors and panels. Customer specific gasket profiles can be supplied.

The combination of Nickel & Copper (Ni/Cu) woven metal fibres provides excellent conductivity and shielding effectiveness (>80dB) over 100KHz to 1GHz frequency range.

Supplied with either a Conductive or Non-Conductive pressure sensitive adhesive (PSA).

Customised shapes and dimensions available.

Features and Benefits...

Highly conductive to provide good EMI shielding and grounding.

| PROPERTIES | C-F FOF A0/A1 | UNIT | TEST METHOD |
|--|--|--------|--------------------------|
| Shielding Efficiency (100KHz - 1 GHz) | 80 | dB | - |
| Abrasion Resistance | 1,000,000 | Cycles | - |
| Surface Impedance | 0.05 | Ohm | - |
| Fire-Proof Level (Flammability Rating) | UL94 HB & UL 94 V0 | - | IES 60695-11-10 UL 94 |
| Hazardous Substance | ROHS Complaint Halogen-free products available on request | - | PASS |

Very soft for Low Compression Force applications, allows use of lighter materials.

Nickel/Copper fibre ensures good oxidation and corrosion resistance / galvanic compatibility with a wide range of plated and stainless-steel surfaces.

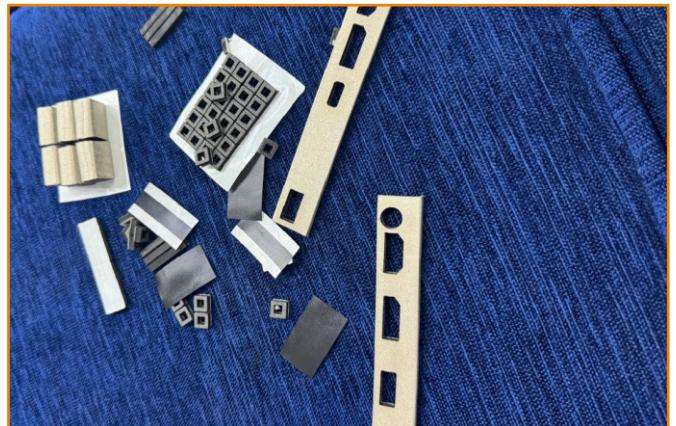
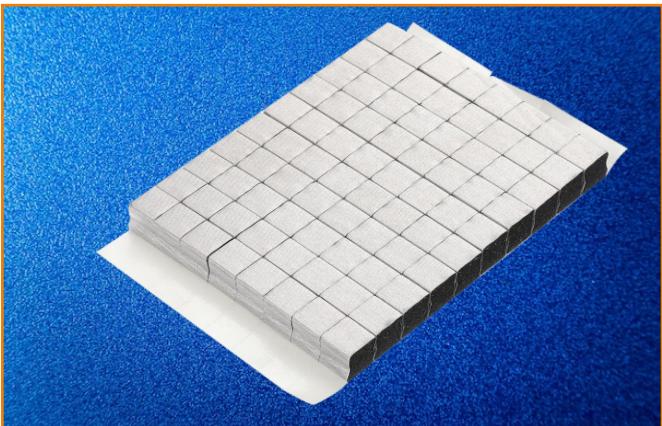
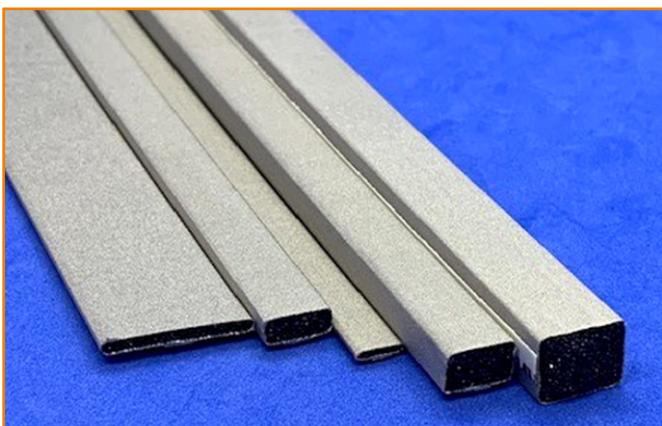
Abrasion-resistant fabric, high reliability and virtually no degradation in shielding performance after 1 million cycles.

Gaskets can be supplied cut to length ready for assembly.

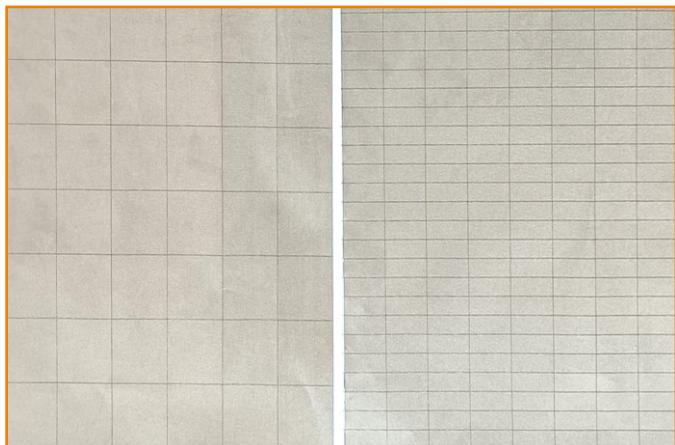
Applications...

Electronic shielding of wiring & high-end electronic products like:

- Medical equipment, Cabinet applications
- Plasma PDP and LCD TV / Displays
- Broadcast & Communications equipment
- Mobile Phones, Notebook, Laptop & Desktop Computers
- X-Ray equipment
- Enclosures - Server racks, Data Cabinets
- Access Control Units
- Military & Aerospace equipment.



EMI CONDUCTIVE CLOTH TAPE



Conductive Cloth Tape

- Conductive Cloth Tape
- Conductive Fabric
- Conductive cloth tape or fabric made from Polyester and Nickel and Copper (Ni/Cu) woven fibres that offer excellent shielding performance, conductivity and conformability with abrasion resistance.

Features...

- Good conductivity and shielding effect
- High friction resistance
- Good metal binding and Z-conductivity

Applications...

- Electronic shielding wire, mobile phones, digital cameras, computers, medical, communication equipment, LCD and other high-end electronic products.

EMI CONDUCTIVE CLOTH TAPE TECHNICAL DATA SHEET

| PROPERTIES | C-F FOF A0/A1 | UNIT | TEST METHOD |
|--------------------------------------|---------------|----------|-----------------------|
| Base Weight (± 10) | GB/T4669 | G/M2 | 109 |
| Thickness (± 0.005) | FZ/T01003 | mm | 0.08 |
| Width (± 10) | GB/T4667 | mm | 1100 |
| Length | GB/T4666 | M | ≤ 400 |
| Shielding Effectiveness (10MHz-3GHz) | ASTM-D4635 | dB | ≥ 80 |
| Salt Spray Test | GB5938 | Grade | 8 |
| Anti-wear Test | ASTM-D4966 | Time | 1,000,000 |
| Surface Impedance (25.4mm x 50mm) | ASTM-F390 | Ω | ≤ 0.05 |
| Metal Layer Adhesion | AATCC-TM8 | Grade | 7.4 |
| Z Guide Continuity | ASTM-F390 | Ω | ≤ 0.05 |
| Tensile Strength | ASTM-5034 | kg/cm2 | Radial 18 Zonal 16 |

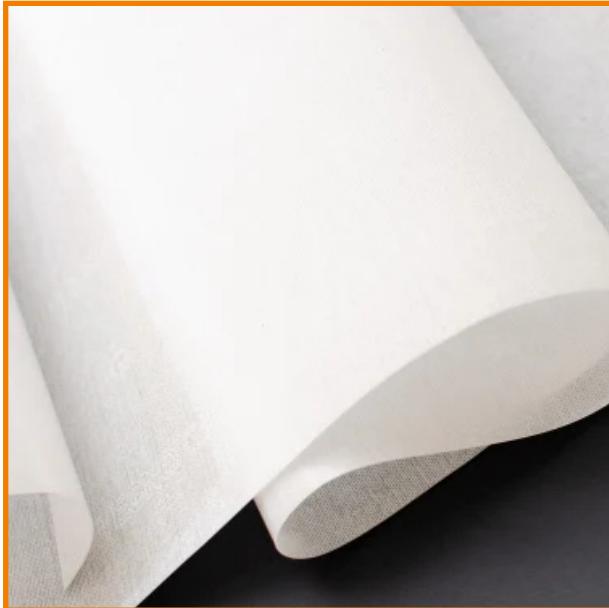
INTELON

*REGID TOE PUFF / COUNTER
SEMI REGID TOE PUFF / COUNTER
LEATHER BAGS REINFORCEMENT*

PRODUCT DESCRIPTION

INTELON is an extruded material for toe-puffs/Counters, with a "ping-pong" effect. This INTELON is a semi rigid version with PU adhesive with two backers

TECHNICAL DATA



| INTELON | Thickness* (mm) |
|------------|-----------------|
| 472 - TMS1 | 0.50 - 0.60 |
| 473 - TMS1 | 0.55 - 0.65 |
| 475 - TMS1 | 0.65 - 0.75 |
| 477 - TMS1 | 0.85 - 0.95 |
| 479 - TMS1 | 1.10 - 1.20 |

* All thickness values have a natural variation of ± 0,05mm

| INTELON | Thickness* (mm) |
|------------|-----------------|
| 473 - TMS2 | 0.65 - 0.75 |
| 475 - TMS2 | 0.75 - 0.85 |
| 477 - TMS2 | 0.95 - 1.05 |
| 479 - TMS2 | 1.20 - 1.30 |

* All thickness values have a natural variation of ± 0,05mm

INSTRUCTIONS OF USE

The toe puff is applied by a special pneumatic pressing machine, equipped with heated curved plate, timer and thermostat.

Advisable working condition:

- Temperature: from 130°C to 150°C
- Contact time: from 6 to 12 seconds according to the thickness of the article.
- Minimum effective interface temperature: 100°C

We recommend you to carry out a preliminary test of bonding as the conditions of application may vary depending on the characteristics of the upper.

There is no binding time as to the lasting period.

ATTENTION: the application by a solvent glue can affect the adhesive present on the sheet, causing detachment.



TPU COATING & LAMINATION ON FABRICS/REINFORCEMENT

TPU laminated fabric with thermoplastic polyurethane (TPU) is widely used in manufacturing for all sorts of weather resistant outdoor equipment. Our material is TPU double side laminated polyester fabric. It is a 3-layer structure: Polyether TPU film+Polyester base fabric+Polyether TPU film. Compared to other types of plastics, TPU offers excellent performance at low temperatures, extremely high impact strength, and resistance to weather, UV radiation, and a wide variety of chemicals. Plus, TPU can be welded, which makes it much more versatile for products like inflatable boats and kayaks, flexible (collapsible) storage tanks, medical devices life rafts, jackets and more.

TPU double side laminated polyester fabric

| | |
|--------------|---|
| Technology: | Extrusion lamination |
| Base fabric: | Polyether fabric |
| Structure: | TPU film+polyester base fabric+TPU film / 3 layers lamination |
| Surface: | Double side matte |
| Thickness: | 1.0mm/1.2mm/1.8mm customizable |

GARMENT APPLICATIONS

TPU laminated fabric maintain their flexibility while being waterproof and light weight. They can be used to manufacture dry suits, survival suits, outdoor wear, and other safety wear. Garments made with TPU fabrics are UV resistant. Plus, they resist chemicals, detergents bodily fluids, abrasion and puncture, keeping the wearer safe and making clean up easy.

INDUSTRIAL APPLICATIONS

The high tensile and compression strengths, weldability and chemicals resistance of TPU laminated fabric enable them to be used in more than just the usual fabric applications. The wide range of TPU laminated fabric can be manufactured into antistatic oil seals, flexible ducting, bellows, curtains, pipe plugs, lifting bags, water weights, and anti-decubitus air cells, fast deployment tents. The unique performance characteristics also make TPU the preferred base substrate for a variety of performance applications:

Mountaineering Jacket, Lace laminate, Fabric laminated, Fashion clothes handbag, Apron, Diving Suits, Shoes, Raincoat, Backpack, Transparent Tent.

APPLICATION

Automotive Interiors



RFID for Wallets



Interlining & Textile



Bag Reinforcement



Electronic Industries



Reflective Materials



Medical and Protection



Heat Transfer TPU



Luggage & Shoe Materials



Filter Materials



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