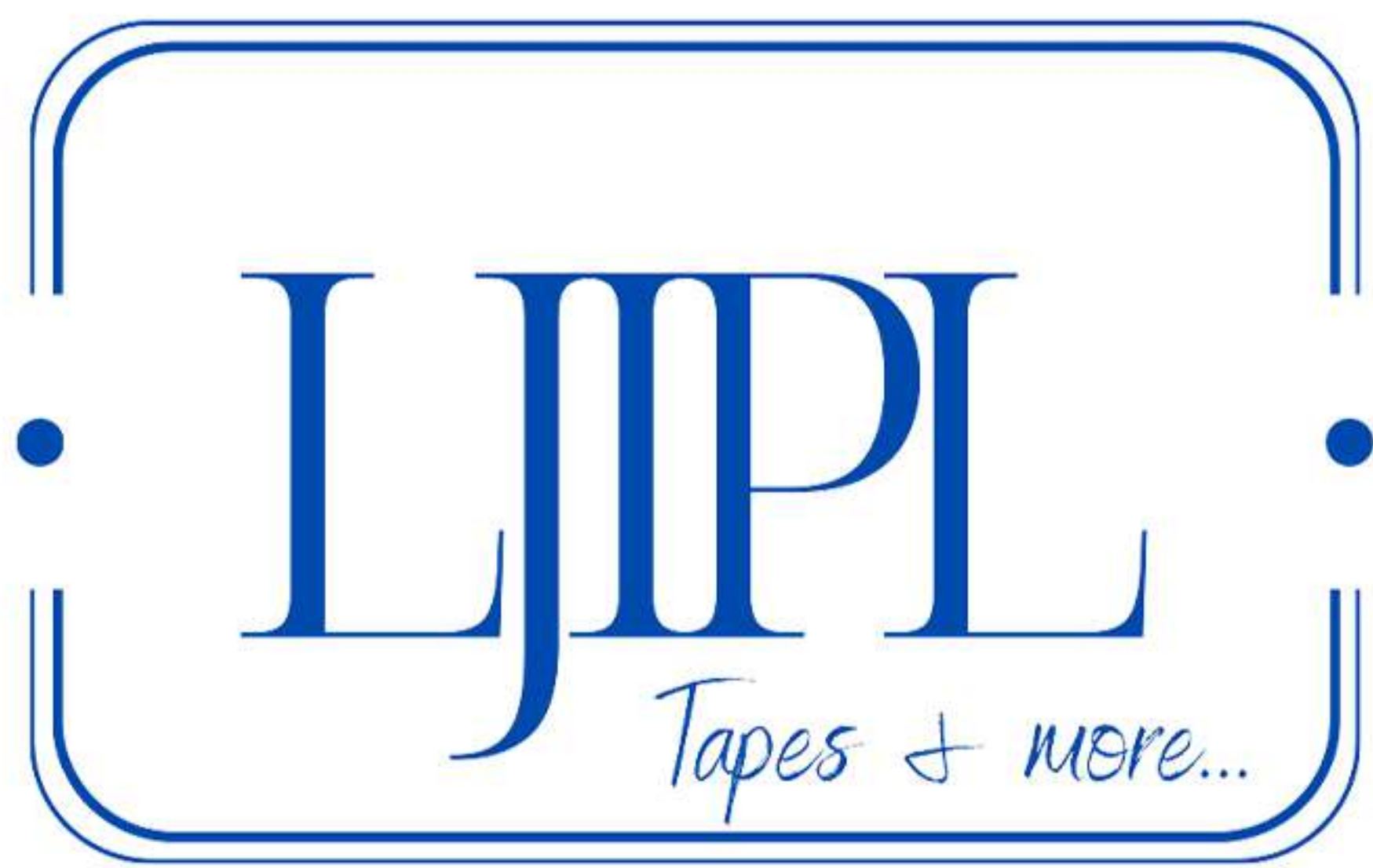


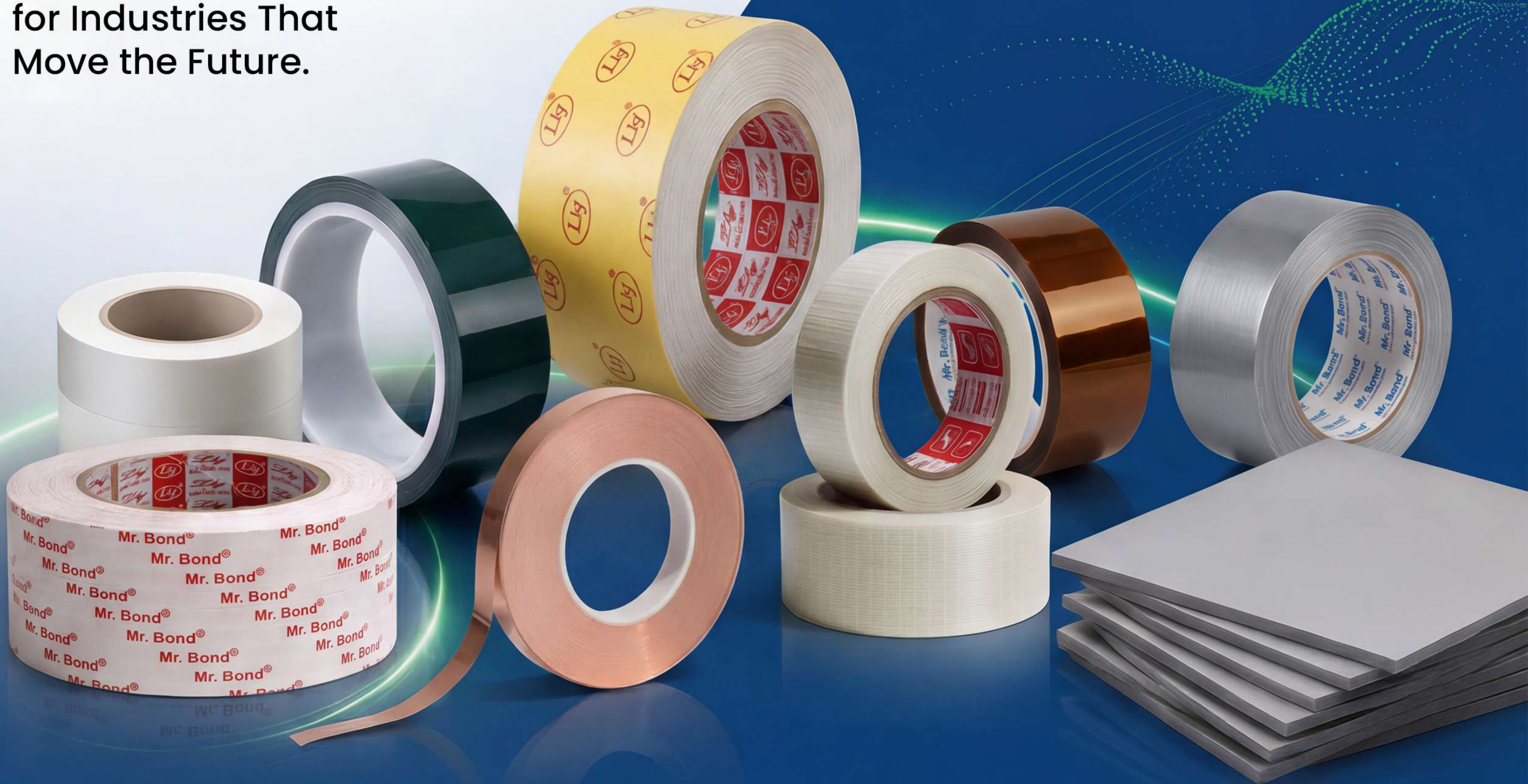


THERMAL | BONDING | INSULATION | PROTECTION

BONDING INNOVATION. POWERING PERFORMANCE.

EV CATALOGUE

High Performance Tapes
for Industries That
Move the Future.



THERMAL
MANAGEMENT



STRONG
BONDING



INSULATION &
PROTECTION



HIGH PERFORMANCE
MATERIALS



CUSTOM
SOLUTIONS



PREMIUM QUALITY
TRUSTED GLOBALLY



CERTIFIED
QUALITY
MANAGEMENT
SYSTEM



MAKE IN INDIA



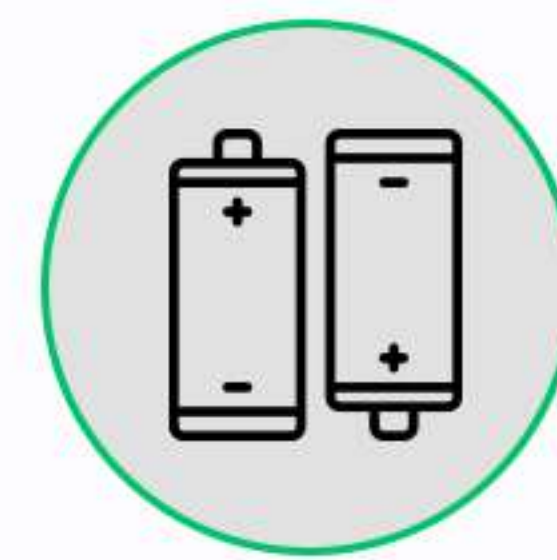
GLOBAL SOLUTIONS
LOCAL SUPPORT

LJIPL Mr.Bond® THERMAL PADS

Thermal conductivity for EV battery cells



Thermal
Management



Battery
Cells



EV Grade

LJIPL Mr.Bond® thermal pads offer good thermal conductivity, low thermal resistance. Being excellent insulation material, they are used between battery cells and casing, this allows for expansion and contraction of cells during charging and discharging. Additionally, it aids in securing the cells in position when vibrations occur. Our thermal pads are UL 94V0 approved which is the highest rating for fire resistance. We can offer thermal conductivity from 1w/m.k to 8w/m.K as per your specification.

KEY FEATURES

- ✓ Good thermal conductivity, low thermal resistance
- ✓ Excellent insulation material
- ✓ Allows for expansion and contraction of cells during charging and discharging
- ✓ Aids in securing cells in position when vibrations occur
- ✓ Sizes and other thicknesses customisable



SPECIFICATIONS

Available Sizes

Multiple sizes and thicknesses available as per your requirements.

Form

Readily available stocks in roll form

Customisation

Sizes and other thicknesses can be customised as per requirements

Primary Use

Between battery cells and casing

PTK® & Mr.Bond® DOUBLE-SIDED TISSUE TAPES

STRONGER BONDING
ENGANGED PERFORMANCE



Tissue Tape



Double-Sided



8 Variants



Printed
Release Paper

PTK® & Mr. Bond® Double-sided tissue tape is a pressure-sensitive tape that is coated with adhesive on both sides. It is designed to stick two surfaces together, often in a way which is not visible in the end product, due to it being in between the objects rather than overlaying them. This allows for neater looking projects and craftsmanship. Our range of PTK® & Mr. Bond® solvent and premium adhesives double sided tissue tapes are widely used in EV battery manufacturing process.



SPECIFICATIONS

Variant

8 Variants

Finish

Thin & flexible

Release Paper

Excellent printed release paper

Slit Length

Can be sliced up to 500m

KEY FEATURES

- ✓ Strong Double-Sided Bonding Performance
- ✓ Thin Flexible Design For Precision
- ✓ Premium Printed Release Paper Finish
- ✓ Available In Eight Specialized Variants
- ✓ Easy Hand-Tearable Tissue Carrier Construction
- ✓ Ideal For EV Battery Applications

Mr.Bond® POLYIMIDE TAPE

Class 180°C insulation for nickel strip wrapping



Class 180°C



Flame
Retardant



FR Grade



Battery
Packs

Mr.Bond® Polyimide tape is used to wrap nickel strips in the battery pack; its silicone adhesive secures and shields the nickel strips during demanding tasks. This tape provides high thermal resistance (Class 180°C) and flexibility, making it perfect for insulating nickel strips in battery packs without increasing overall weight. The product is flame-retardant (FR) grade, with outstanding dielectric strength and effective thermal resistance.



SPECIFICATIONS

Thermal Class	180°C
Grade	Flame Retardant (FR)
Dielectric Strength	Outstanding
Primary Use	Wrap nickel strips in the battery pack

KEY FEATURES

- ✓ High thermal resistance (Class 180°C)
- ✓ Flexible — perfect for insulating nickel strips
- ✓ Does not increase overall pack weight
- ✓ Flame-retardant (FR) grade
- ✓ Outstanding dielectric strength and effective thermal resistance

Mr.Bond® 4500 FLR FIRE-PROOF TAPE

Fire-proof double-sided tissue tape — UL 94 V0 approved



Fire Proof



Double-Sided



UL 94 V0



High Adhesion

Mr.Bond® 4500 FLR is a fire-proof double-sided tissue tape with excellent adhesion, UL 94 V0 approved for flame retardancy. It is engineered for applications that demand both strong, reliable bonding and proven flame resistance.



SPECIFICATIONS

Type	Fire-proof double-sided tissue tape
Flammability	UL 94 V0 approved
Adhesion	Excellent adhesion
Thickness	Trade secret
Adhesive Type	Trade secret

KEY FEATURES

- ✓ Fire proof — UL 94 V0 approved
- ✓ Excellent adhesion
- ✓ Double-sided tissue tape construction
- ✓ Suitable for applications requiring flame retardancy with strong bonding

Mr.Bond® MASKING TAPE

Painter & general-purpose masking tape



Masking



Residue-Free



Writable

Mr.Bond® masking tape provides reliable performance for surface masking during painting and powder coating, protecting holes, threads, vents, and connectors. It is also ideal for inspection marking, temporary bundling, labeling, scratch protection, and component positioning during manufacturing, assembly, handling, and transportation processes.



SPECIFICATIONS

Type	Crepe Paper Masking Tape
Grades	General & Industrial Grade
Properties	Clean Removal, Strong Adhesion
Primary Use	Painting, Masking & Protection

KEY FEATURES

- ✓ Surface masking during painting and powder coating
- ✓ Protection of holes, threads, vents, and connectors
- ✓ Temporary wire bundling and component holding
- ✓ Inspection marking and process identification
- ✓ Label and documentation attachment
- ✓ Scratch protection during handling and transport
- ✓ Temporary positioning of insulation sheets and gaskets

COPPER FOIL TAPE

EMI / EMC shielding for EV electronics



EMI / EMC



65–70 µm



EV Application



Conductive
Acrylic

The copper foil tape, coated with an electrically conductive, pressure sensitive acrylic adhesive, is used for EMI/EMC shielding. It is specially designed for EV application, with a thickness of 65–70 micron. It passes the 2 point test method and bear temperature range of T2.



SPECIFICATIONS

Thickness	65–70 microns
Temperature Range	T2
Test Compliance	Passes the 2-point test method
Designed For	EV application

KEY FEATURES

- ✓ Used for EMI / EMC shielding
- ✓ Specially designed for EV application
- ✓ Passes the 2-point test method
- ✓ Bears temperature range of T2
- ✓ Coated with electrically conductive, pressure-sensitive acrylic adhesive

PRATEEK® NITRILE FOAM TAPE

Thermal interface material for battery packs



Thermal
Interface



Battery Pack



Prateek®

Prateek® Nitrile foam tape is used as a thermal interface material. It helps transfer heat away from battery cells and ensures consistent thermal connections within the battery pack.



SPECIFICATIONS

Type	Thermal Interface Material
Foam Base	Nitrile
Primary Use	Battery pack thermal interface

KEY FEATURES

- ✓ Used as a thermal interface material
- ✓ Helps transfer heat away from battery cells
- ✓ Ensures consistent thermal connections within the battery pack

LKJ® CROSS FILAMENT TAPE

High-strength bundling for EV battery modules



High Breaking
Strength



Module
Bundling



Woven
Glass Fiber



LKJ®

LKJ's durable cross-weave filament bundling tape boasts a high breaking strength with a film backing. The woven glass fiber enhances the backing, making it ideal for packing EV battery modules.



SPECIFICATIONS

Backing	Film with Woven Glass Fiber
Strength	High breaking strength
Primary Use	Packing EV battery modules
Other Uses	Packing of heavy cartons, palletizing, strapping, sealing metal coils & pipe bundling

KEY FEATURES

- ✓ Durable cross-weave filament bundling tape
- ✓ High breaking strength
- ✓ Woven glass fiber enhances the backing
- ✓ Ideal for packing EV battery modules

ACRYLIC FOAM TAPE

Gasketing & sealing — VHB also available



Gasketing



Water
Resistant



VHB Available

Acrylic foam is used in gasketing applications. It aids in preserving a water-resistant seal between the casing and rubber gasket. It facilitates filling gaps between rigid components. A seamless bond line assists in sealing out unwanted intrusion and lessens the necessity for fasteners. Also Available VHB tape.



SPECIFICATIONS

Type	Acrylic Foam
Varient	VHB tape also available
Primary Use	Gasketing applications



KEY FEATURES

- Facilitates filling gaps between rigid components
- Seamless bond line seals out unwanted intrusion
- Lessens the necessity for fasteners
- VHB variant also available
- Preserves a water-resistant seal between casing and rubber gasket

Mr.Bond® BLACK COTTON TAPE

Cotton Insulation Tape for Coil & Conductor Wrapping.



Cotton



Coil Wrapping



Insulation



Mr.Bond®

Mr.Bond® Black Cotton Adhesive Tape is made from fine insulated cotton substrate backed with strong rubber-based adhesive. Because of its strong adhesion strength and insulation properties, it is widely used in conductor wrapping, connection wrapping, interlayer coil insulation etc.



SPECIFICATIONS

Substrate	Fine Insulated Cotton
Colours	Available in White & Black
Customisation	Sizes and other thicknesses customisable



KEY FEATURES

- Fine insulated cotton substrate
- Strong rubber-based adhesive backing
- Used for interlayer coil insulation
- Strong adhesion strength combined with insulation properties
- Used in conductor wrapping and connection wrapping

PVC INSULATION TAPE

Dielectric insulation for EV wiring & battery pack assembly



PVC



Dielectric



Wire
Wrapping



EV
Electrical

PVC insulation tape provides reliable dielectric protection for EV wiring, conductor wrapping, and battery pack assembly. Combines electrical insulation with weather and moisture resistance — a workhorse tape used across pack-level electrical safety and finishing applications.



SPECIFICATIONS

Material	Polyvinyl Chloride (PVC)
Primary Function	Electrical / dielectric insulation
Resistance	Moisture, weather, and abrasion resistant
Application	EV wiring, conductor wrapping, MS battery casing finish
Customisation	Multiple widths and colours available on request

KEY FEATURES

- ✓ Used widely for EV wire wrapping and conductor protection
- ✓ Moisture and weather resistant for pack-level use
- ✓ Provides a clean, durable finish to battery casings
- ✓ Available in standard widths suited to production lines Reliable dielectric / electrical insulation across the operating range

Mr.Bond® BLACK BINDING SEALING TAPE

Aesthetic + protective seal for MS battery casings



MS Case



Aesthetic
Finish



Sealing

The Black Binding Sealing Tape is used to cover the waterproof sealant within the MS case, improving the battery's aesthetic appearance.



SPECIFICATIONS

Application	Cover the waterproof sealant within the MS case
Purpose	Improves the battery's aesthetic appearance
Colour	Black

KEY FEATURES

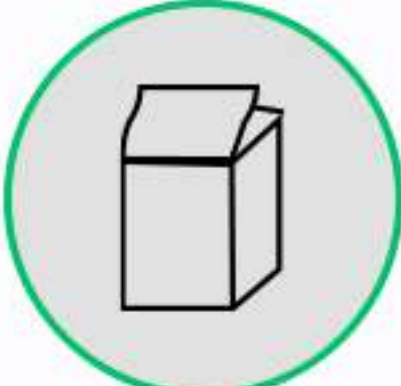
- ✓ Used to cover the waterproof sealant within the MS case
- ✓ Improves the battery's aesthetic appearance

Mr.Bond® BOPP PACKAGING TAPE

Clear & brown carton sealing tape



BOPP



Carton
Sealing



Clear &
Brown



Printable

Mr.Bond® BOPP packaging tape is suitable for carton box sealing and stationery use. Available in light, medium, and heavy-duty grades and a range of colours including transparent and brown. Printed tapes can carry company logos and messages in up to 4 colours (custom).



SPECIFICATIONS

Material	BOPP (Biaxially Oriented Polypropylene)
Thickness	42 microns
Widths	12mm to 96mm (standard); custom widths available on request
Grades	Light, Medium, and Heavy-Duty
Lengths	50m to 1000m
Colours	Transparent, Brown, Milky White, Red, Green, Blue, Black, and more
Printing	Custom printing up to 4 colours

KEY FEATURES

- ✓ 42 micron film thickness
- ✓ Suitable for carton box sealing and stationery use
- ✓ Light, medium, and heavy-duty grades available
- ✓ Available in transparent, brown, and many colours
- ✓ Long-roll lengths for automatic dispensing machines
- ✓ Standard widths from 12mm to 96mm; custom widths available on request
- ✓ Printable for branding and standard messages ("Handle with Care", "For Export", etc.)

Mr.Bond® SINGLE-SIDED FOAM TAPE

Insulation, vibration damping & noise blocking



Single-Sided



EVA/PE Foam



Anti-Vibration



Noise Blocking

Mr.Bond® single-sided foam tapes are available in EVA and PE base foams. They are suitable for insulation purposes, reducing vibration, and blocking noise.



SPECIFICATIONS

Foam Base	EVA and PE
Primary Use	Insulation, vibration reduction, noise blocking
Sizes & Thickness	Multiple sizes and thicknesses available.

KEY FEATURES

- ✓ EVA and PE base foam options
- ✓ Suitable for insulation purposes
- ✓ Reduces vibration and blocks noise

LKJ® EVA DOUBLE-SIDED FOAM TAPE

Stable adhesion for battery assembly components



Double-Sided



Battery
Assembly



EVA Foam

LKJ® EVA (Ethylene Vinyl Acetate) double-sided foam tape ensures stable adhesion when fixing components within the battery assembly. It secures circuit boards, battery cells, displays, and other critical parts, contributing to the overall stability and reliability of the EV battery.



SPECIFICATIONS

Material	Ethylene Vinyl Acetate (EVA) Foam
Sides	Double-Sided
Primary Use	Battery assembly component bonding

KEY FEATURES

- Ensures stable adhesion when fixing components within the battery assembly
- Secures circuit boards, battery cells, displays, and other critical parts
- Contributes to overall stability and reliability of the EV battery

Mr.Bond® DUCT TAPE

Cloth-backed, waterproof — repairs, sealing & binding



Cloth Backing



Waterproof



Repair & Sealing

Mr.Bond® duct tape is a strong, flexible adhesive tape with a cloth backing and a waterproof polyethylene coating. Originally developed for quick repairs on military equipment, it is now widely used for repairs, sealing, binding, and crafting. Known for its strength and versatility, duct tape can stick to various surfaces and is available in a range of colours beyond the traditional silver. Its durability and resistance to water make it useful for both indoor and outdoor applications.

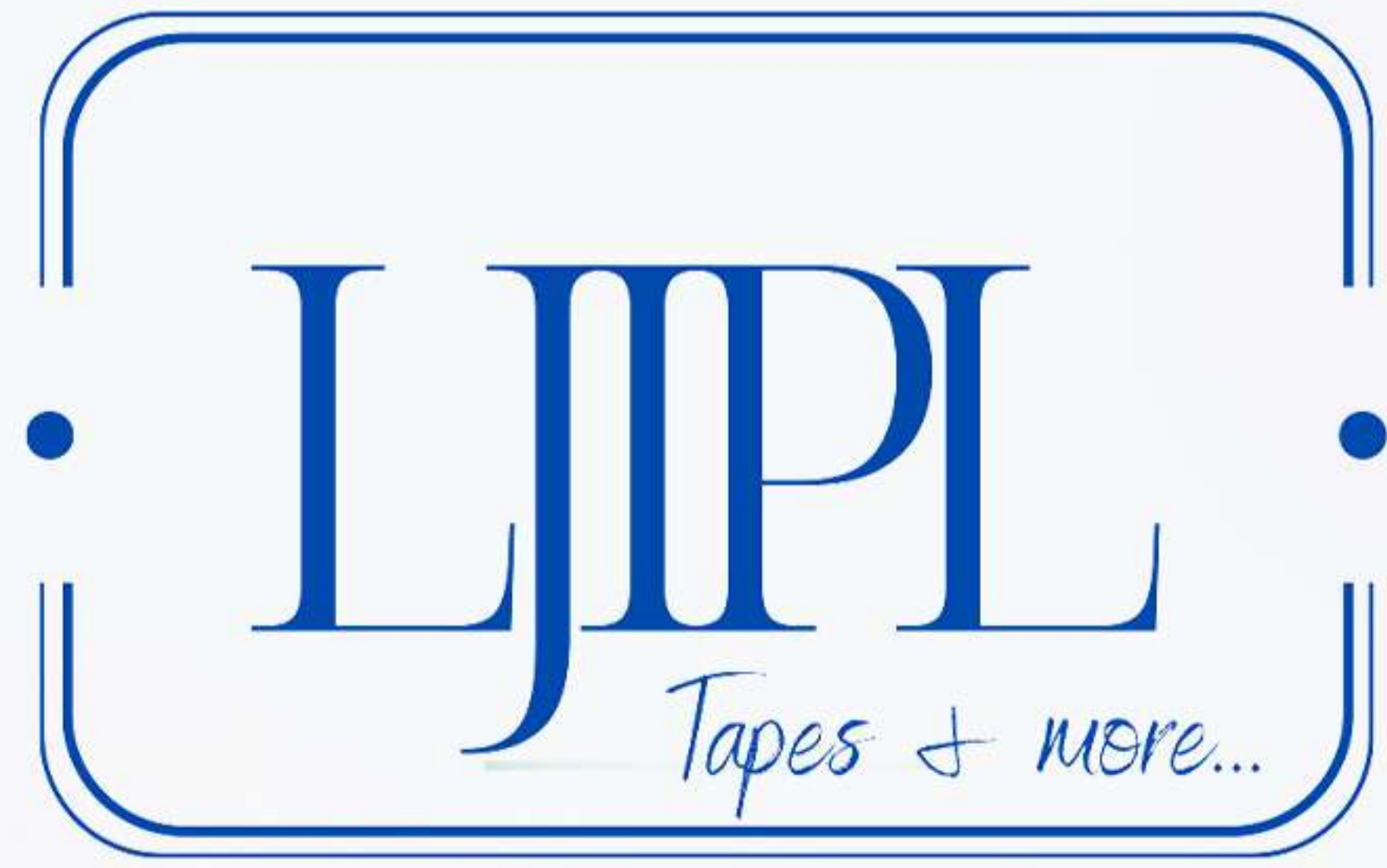


SPECIFICATIONS

Backing	Cloth
Coating	Waterproof polyethylene
Colour Range	Silver
Use	Indoor and outdoor (water-resistant)
Applications	Repairs, sealing, binding, crafting

KEY FEATURES

- Cloth backing with waterproof polyethylene coating
- Strong, flexible and durable — sticks to various surfaces
- Originally developed for quick repairs on military equipment
- Suitable for both indoor and outdoor applications
- Water-resistant for sealing and repair tasks
- Available in a range of colours beyond traditional silver



COMPANY OVERVIEW

Lalit Jain Industries Pvt. Ltd. is a leading manufacturer of adhesive tapes and industrial bonding solutions with over 39 years of industry expertise. Founded by Late Mr. Lalit Kumar Jain, the company has built a strong reputation for innovation, quality, and reliability across India. LJIPL serves a wide range of industries, including packaging, FMCG, printing, manufacturing, exports, and the rapidly growing Electric Vehicle (EV) sector. With a focus on advanced adhesive technologies, the company provides solutions that support modern manufacturing, component assembly, insulation, surface protection, and secure bonding applications. Driven by continuous research and development, LJIPL is committed to creating high-performance products that meet evolving industry requirements. Under the leadership of Mr. Prateek Jain and Mr. Shikhar Jain, the company continues to expand its capabilities and strengthen its position as a trusted partner for industrial and EV battery manufacturers.

Mr. Shikhar Jain

Director & EV Business Head
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Mr. Prateek Jain

Director
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Lkj® Prateek® Mr. Bond® PTK®

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