



Adhesives Research®

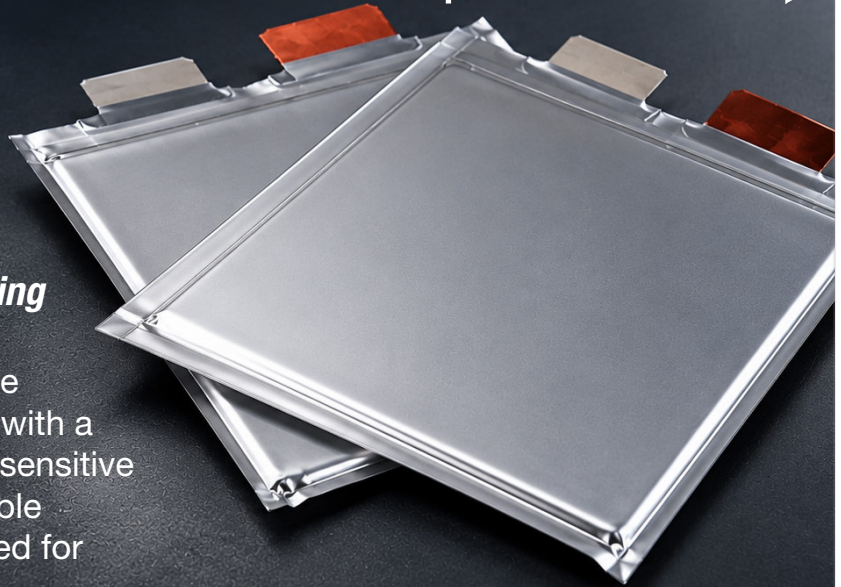
IN PARTNERSHIP WITH

SCHLENK

LAMINATED BATTERY TABS

PSA-Sealed Tab Ribbons for Next-Generation Battery Manufacturing

Adhesives Research and Schlenk have combined precision-rolled metal foils with a high-cohesive-strength PIB pressure-sensitive adhesive (PSA) to create a customizable laminated battery tab solution designed for demanding pouch cell application.



SCALABLE

From R&D and sampling to gigafactory scale production



FLEXIBLE

Customizable thicknesses, widths and constructions



TRACEABLE

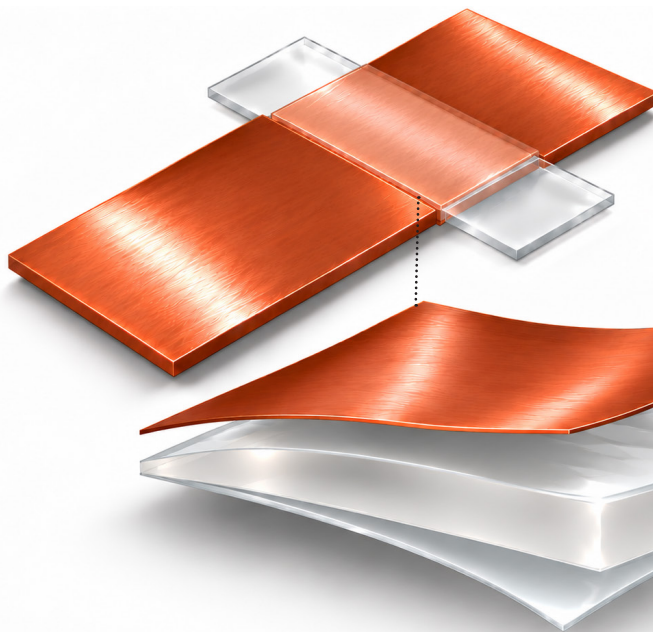
Full supply chain transparency



NDA COMPLIANT SUPPLY CHAIN

North American & European materials and manufacturing

HIGH-PERFORMANCE CONSTRUCTION



Schlenk's Precision Metal Foil

- High purity materials and very low tolerances

Adhesives Research's Double-faced PIB PSA

- High adhesion to metal foil
- Chemically inert polypropylene backing adheres to PIB

www.adhesivesresearch.com

PRECISION METAL FOILS MEET
ADVANCED ADHESIVE TECHNOLOGY

www.schlenk.com

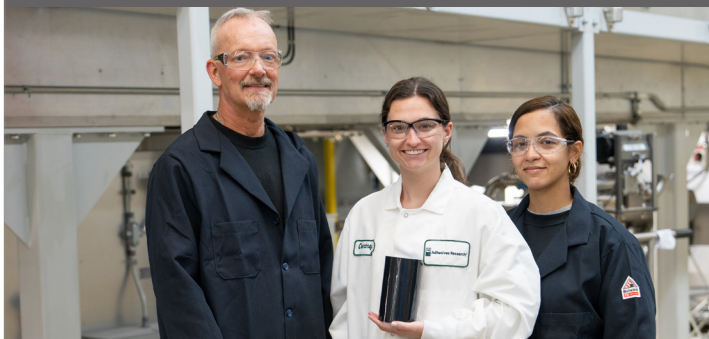
See reverse side for more product details →



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KEY BENEFITS OF PSA SEALING

- Strongly bond battery tab seal to foil and pouch
- Simplifies manufacturing with pressure bonding instead of heat sealing
- High shear strength
- Gapless adhesion to multilayer pouch film
- Lower heat input for temperature-sensitive constructions

KEY BENEFITS OF ROLLED FOILS

- Many different base materials and alloys available
- Wide variety of thicknesses and widths – individually tailored
- Precise slitting – wide / narrow
- Material is designed for use in challenging applications and tight tolerances

PRODUCT SPECIFICATIONS

Adhesives

Adhesive Layer (PIB EL-94635)	0.5 – 2.0 mil 12.5 – 50.8 µm
Polypropylene Backing	0.5 – 5.0 mil 12.5 – 127 µm
Total Construction Thickness	76.2 – 857.2 µm
Tape Width	Customizable to application requirements
Available Formats	• Double-faced tape • Transfer film • Converted parts

Foils

Surface	Plain or roll-cladded
Thickness range	0.010 – 0.400 mm
Width range	0.60 – 300.00 mm
Materials	• Copper (Cu > 99.9%) • Nickel • Selected Clad Metals



CONTACT US TO LEARN MORE



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