LabCore
MATERIALS

Aluminum Laminated Film for Pouch Cell Packaging | 113µm

3-layer aluminum laminated film (ONy/Al/CPP) for pouch cell fabrication. 113µm total thickness. Excellent barrier properties. Used in battery research labs worldwide.

Pouch Cell Materials

Energy Storage

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Product Overview

3-layer aluminum laminated film (ONy/Al/CPP) for pouch cell fabrication. 113µm total thickness. Excellent barrier properties. Used in battery research labs worldwide.

Aluminum laminated film (also called aluminum plastic film, pouch film, or laminate film)

is the flexible packaging material used to encase lithium-ion pouch cells. Our film

features a 3-layer structure (nylon/aluminum/polypropylene) providing superior moisture

and gas barrier properties while maintaining heat-sealing capability.

Three-layer composite aluminum laminated film (model DM-L113N), total thickness 113µm, structure: outer oriented nylon (ONY) 25µm / middle aluminum foil 40µm / inner cast polypropylene (PP) 40µm (+ adhesive layers), sheet size 200x100mm. Heat seal strength 60N, CPP/Al peel strength 8N, water vapor transmission rate <0.01 g/m²·24h. For pouch-type lithium battery packaging. ONY layer provides mechanical strength and puncture resistance; aluminum foil serves as moisture and oxygen barrier; PP layer ensures electrolyte compatibility and heat-seal reliability.

Related Guide: Aluminum Laminated Film Guide

Technical Specifications

Parameter	Value	Unit
Model	DM-L113N	
Dimensions	200 x 100	mm
Total thickness	113	µm
Structure	ONY / Al foil / CPP (3-layer)	
Outer ONY layer	25	µm
Aluminum foil	40	µm
Inner CPP layer	40	µm
Heat seal strength	60	N

CPP/Al peel strength	8	N
WVTR	<0.01	g/m²·24h

Order / Quote

Model	Pack Size	Availability
ALF-113-10P	10 sheets per pack, 200 x 100 mm each, with desiccant	In stock (Amazon / direct)
ALF-113-2P	2 sheets per pack, 200 x 100 mm each, with desiccant	In stock (Amazon / direct)

Current pricing and ordering: labcorematerials.com/products/aluminum-laminated-film/

Shipping & Compliance

- Ships as raw material. No electrolyte, no lithium. Not classified as dangerous goods.

Contact

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labcorematerials.com/products/aluminum-laminated-film/