DATASHEET

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.

APPLICATION

Store sealed — aluminum laminated film is moisture sensitive. Handle with gloves to avoid fingerprints and creases.

KEY SPECS

- Model: DM-L113N
- Dimensions: 200 × 100 mm
- Total thickness: 113 µm
- Structure: ONY / Al foil / CPP (3-layer)

1. Specifications

Model	DM-L113N
Dimensions	200 × 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

2. Product Details

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 200×100mm. 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

3. Order / Quote

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

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

4. Shipping & Compliance

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

Contact

business@labcorematerials.com
www.labcorematerials.com/products/aluminum-laminated-film/