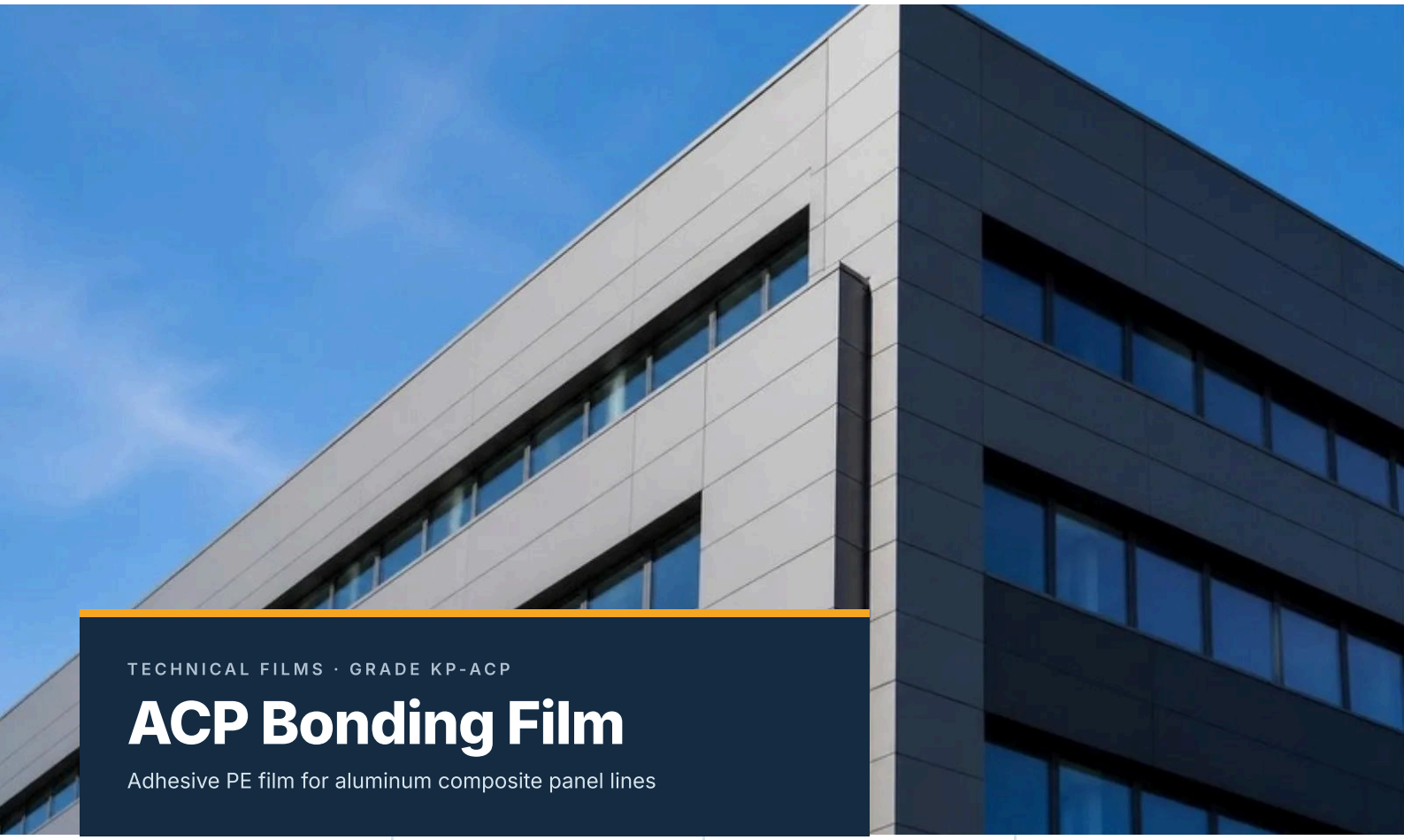


TECHNICAL FILMS · GRADE KP-ACP

ACP Bonding Film

Adhesive PE film for aluminum composite panel lines

Thickness	Width	Peel strength	Melting point
50–150 µm	**To order**	**≥ 7 N/mm**	**105–125 °C**

PRODUCT DESCRIPTION

PE adhesive film that bonds the aluminum skins to the polyethylene core of aluminum composite panels (ACP) in continuous production.

As ACP use grows in building facades and interiors, the bond between the smooth aluminum sheets and the high-filler core decides the panel's integrity. Our bonding film delivers that bond and makes lamination on continuous lines easier.

APPLICATIONS

- Aluminum composite panels (ACP)
- Building facades
- Interior cladding

KEY FEATURES

- **Strong bond.** Bonding strength between the aluminum sheet and the filled PE core.
- **Continuous lines.** Supplied for smooth running on continuous ACP production.
- **Your dimensions.** Thickness, width and roll length made to order.
- **Built for construction.** Helps panels hold together on facades and interiors.

TECHNICAL SPECIFICATIONS

Thickness	**50–150 µm**	Roll width	**To order**
Roll length	**To order**		

TYPICAL PROPERTIES

Typical values on **100 µm** film at 23 °C and 50 % RH, unless stated otherwise.

Property	Test method	Unit	Typical value
MATERIAL AND TOLERANCES			
Material	—	—	**Adhesive-modified polyethylene**
Thickness tolerance	ISO 4593	%	**± 5**
BONDING AND THERMAL			
Peel strength, bonded panel (180°)	ASTM D903	N/mm	**≥ 7**
Melting point	ISO 11357-3	°C	**105–125**
MECHANICAL			
Tensile strength at break, MD / TD	ASTM D882	MPa	**15–22 / 13–20**
Elongation at break, MD / TD	ASTM D882	%	**400–600 / 500–700**

Typical results from production testing, not specification limits. Properties vary with thickness and grade; data for your gauge on request. MD = machine direction, TD = transverse direction.

Packaging

- **Core diameter:** 76 or 152 mm
- **Roll size:** To your line
- **Per 40′ container:** About 20–23 t
- Wrapped, labeled and stretch-wrapped on pallets

Storage

- Indoors, dry, away from direct sun, rain and heat
- Keep in the original packaging; first in, first out.

5–30 °C	≤ 65 %	12 mo.
Temperature	Humidity	Shelf life

Labeling

Every delivery comes with a Certificate of Analysis (CoA). Each label shows:

- Product, grade and dimensions
- Batch number and production date
- Net weight and customer PO

SUSTAINABILITY

Mono-material polyethylene film, recyclable in PE film streams where collection exists. Made under ISO 14001 environmental management.

Mono-PE
recyclable film

How to order. Send your panel structure, line width and monthly volume. We reply with a quote within one business day.

contactus@karawiapack.com
WhatsApp +20 121 202 6661

CERTIFIED MANAGEMENT SYSTEMS

ISO 9001:2015 Quality management	**FSSC 22000 v6** Food safety for PE bags and films, food and non-food use	**OK Recycled** Recycled content to EN 15343
ISO 14001:2015 Environmental management	**ISO 45001:2018** Occupational health and safety	**EcoVadis Committed** Sustainability rating

Certificates and declarations of compliance for supplier approval on request.

The information in this data sheet is based on our current knowledge and production testing. It is a guide only and is not a specification or a warranty of fitness for a particular use; performance depends on processing, handling and use conditions. Specifications are agreed in writing per order. Karawia Pack may update this sheet without notice; the latest revision applies.