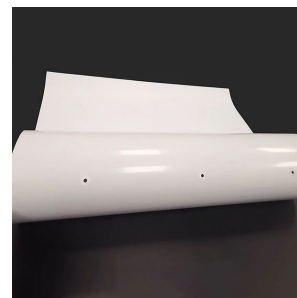


Aluminum-Based Backsheet

Low Water Vapor Transmission Rate Series | Product code: HD-CAPC

A 15–30 μm aluminium layer and a flame-retardant core, at 300 μm total.

There is a limit to how much moisture a polymer barrier can stop, and for the most moisture-sensitive cell technologies that limit is the binding one. Metal does not have that limit.



Key characteristics

WVTR of 10m^2 to 10m^3 g/m²·day	From a metal barrier layer rather than from polymer thickness.
Flame-retardant middle layer	The 275 μm water-resistant middle layer is specified as flame retardant.
Excellent insulation	Special structural design meets all module insulation requirements despite the metal layer.
Power degradation under 2% after PID288 and DH2000	Same reliability envelope as the transparent high-barrier construction.

Specification

Product Structure	Air Coating	Air Coating: 10 μm , Weather-Resistance, UV Cut-OffAL Layer
	AL Layer	AL Layer: 15–30 μm , Water-Resistance
	Glue	Glue Layer: 5 μm , Bonding
	Middle Layer	Flame Retardant Layer: 275 μm , Water-Resistance
	Inner Coating	Inner Coating: 5 μm , Great Bonding Performance with EVA
Product Type	HD-CAPC	HD-CPC
Product Code	HD-CAPC	
Product Name	Insulating back sheet for crystalline silicon terrestrial photovoltaic (PV) modules	High water vapor barrier back sheet for crystalline silicon terrestrial photovoltaic(PV) modules
Thickness	Air Coating: 10 $\pm$ 2 μm AL Layer: 15–30 $\pm$ 3 μm Glue Layer: 5 $\pm$ 2 μm Middle Layer: 275 $\pm$ 10% μm Inner Coating: 5 $\pm$ 2 μm Total Thickness: 300 $\pm$ 10% μm	
Color	White	

Applications

- TOPCon, HJT and perovskite modules
- Monofacial glass-backsheet modules
- Humid and high-temperature climates

Storage and shelf life

High storage stability with no special storage requirements. Warranty period is one year under cool, dry storage conditions; laminating process generality should be evaluated after that period.

Enquiries

Quotations, full datasheets and certificates are issued against a product code and a destination market. Write to info@hondosolar.com with the cell technology, the module construction, the annual volume and the destination market.

All values are as published by the manufacturer. Tolerances, roll formats and electrical data are confirmed in writing per order. Suzhou Hondol New Material Co., Ltd. No.518, Xinzhen Road, Tong'an Town, SND, Suzhou, Jiangsu, China. PT. Hondol Material Indonesia, Samara Industrial Park, Batam, Kepulauan Riau, Indonesia.