

CAPC

Water Barrier Layer | Product code: HD-CAPC

10²–10³ g/m²·day water transmission in a 325 μm transparent construction, with PID288 and DH2000 degradation under 2%.

Portable and lightweight modules spend their lives in worse humidity conditions than rooftop arrays — folded in a damp boot, hung on a coastal balcony, parked outdoors through a monsoon — and they have no glass to seal them.



Key characteristics

Water vapour transmission of 10² to 10³ g/m²·day	Which is the specification that decides whether a glassless module reaches its warranty period in a humid climate.
Insulation by structure	The special structure satisfies the insulation requirements for PV modules without an added layer.
High reliability	Power degradation under 2% after PID288 and DH2000 testing.
325 μm ±5% total, transparent	20 μm air coating, 300 μm PET middle layer and a 5 μm inner coating with high reflectivity and strong EVA bonding.

Specification

Product Structure	Air Coating	10μm, Protect PET
	Middle Layer (PET)	300μm, Insulation Property, Water Vapor Barrier Property
	Inner Coating	Inner Coating: 5μm, High Reflectivity, Great Bonding Performance with EVA
Product Type	HD-CPC	
Product Code	HD-CPC	
Product Name	Insulating back sheet for crystalline silicon terrestrial photovoltaic (PV) modules	
Thickness	Air Coating: 20±2μm PET: 300μm±5% Inner Coating: 5 (-0,+2)μm Total Thickness: 325μm±5%	
Color	Transparent	

Applications

- Portable and foldable modules
- Balcony lightweight modules
- Humid and coastal installations

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.