

White Outer / Black Inner

High-Reflection Black Series | Product code: HD-CPC-HB

The black appearance where it is seen, the white surface where it helps the module stay cool.

The argument against all-black modules has always been thermal as much as electrical: a black rear face radiates less heat, the module runs hotter, and the temperature coefficient quietly takes back some of the yield.



Key characteristics

Average CTM gain of +2.66%	Higher reflectivity than conventional black backsheets.
Clean architectural integration	Dimensionally stable with no light leakage, so the elevation reads as a single surface.
Exceptional durability	No bubbling or fading after PCT 48 h, DH 1500 h, UV and damp-heat UV testing.
303 μm $\pm 10\%$ construction	10 μm air coating, 288 μm PET middle layer, 5 μm high-reflectivity inner coating.

Specification

Product Structure	Air Coating	Air Coating: 10 μm , Protect PET
	Middle Layer (PET)	Middle Layer: 288 μm , Insulation Property, Water Vapor Barrier Property
	Inner Coating	Inner Coating: 5 μm , High Reflectivity, Great Bonding Performance with EVA
Product Type	HD-CPC	
Product Code	HD-CPC-HB / HD-CPC-H2B	
Product Name	Insulating back sheet for crystalline silicon terrestrial photovoltaic (PV) modules	
Thickness	Air Coating: 10 $\pm 2\mu\text{m}$ Middle Layer: 288 $\mu\text{m} \pm 5\%$ Inner Coating: 5 (-0, +2) μm Total Thickness: 303 $\mu\text{m} \pm 10\%$	
Color	Outer White and Inner Black / Outer Black and Inner Black	

Applications

- Utility-scale PERC monocrystalline glass-glass and glass-backsheet modules
- Residential rooftops and visible installations
- Distributed and portable applications

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@hondolsolar.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.