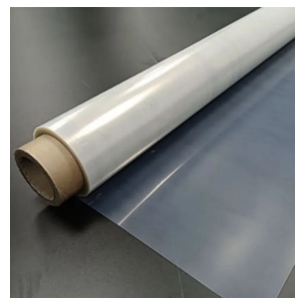


CPPC/HPPC

Water Barrier Layer | Product code: HD-CPPC / HD-HPPC

A dedicated water block layer inside the stack, high transmittance, and a 25-year service life.

Adding a moisture barrier to a backsheet usually means adding opacity, and in a bifacial or lightweight module that costs you rear-side generation. The two requirements pull against each other.



Key characteristics

Water resistance of 10m^2 to 10m^3 g/m²·day	From a dedicated water block layer rather than from sheer PET thickness.
High transmittance	Increases module energy yield, which is the reason to choose a transparent backsheet in the first place.
High weather resistance	Ensures a 25-year service life.
Two constructions	HD-CPPC at $323\text{ }\mu\text{m} \pm 5\%$ with a $10\text{ }\mu\text{m}$ UV cut-off air coating, and HD-HPPC at $332\text{ }\mu\text{m} \pm 5\%$ with a heavier $22\text{ }\mu\text{m}$ air coating.

Specification

Product Code	Product Type	HD-CPPC	HD-HPPC
Product Structure (HD-CPPC)		Air Coating: $10\text{ }\mu\text{m}$, Weather-Resistance, UV Cut-Off	
		Middle Layer: $288\text{ }\mu\text{m}$, Insulation Property, Water Vapor Barrier	
		Glue Layer: $8\text{ }\mu\text{m}$, Bonding	
		Water Block Layer: $15\text{ }\mu\text{m}$, Water Vapor Barrier	
		Inner Coating: $5\text{ }\mu\text{m}$, Great Bonding Performance with EVA	
Product Code	HD-CPPC-T	HD-HPPC	
Product Name		High transmittance water blocking back sheet for crystalline silicon terrestrial photovoltaic (PV) modules	

Thickness		Air Coating: 10±2µm Middle Layer: 288µm±5% Adhesive Layer: 8±2 µm Water Blocking Layer: 12±1 µm Inner Coating: 5 (-0, +2) µm Total Thickness: 323 µm±5%	Air Coating: 22±2µm Adhesive Layer: 8±2 µm Middle Layer: 275µm±5% Adhesive Layer: 8±2 µm Water Blocking Layer: 12±1 µm Inner Coating: 5 (-0, +2) µm Total Thickness: 332 µm±5%
Color		Transparent	Transparent

Applications

- Bifacial lightweight modules
- Balcony and portable modules
- Humid-climate distributed 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.