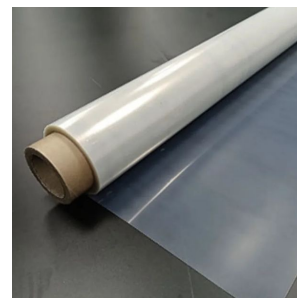


CPC/CDPC

Structural Protection Layer | Product code: HD-CPC-T / HD-CDPC-FT

Organic material in place of glass, over 90% transmittance, UV resistance above 500 kWh/m².

Remove the front glass from a module and you remove its skeleton. Something has to hold the laminate flat, spread point loads and keep the cells from flexing, and it has to do it while passing more than 90% of the light through.



Key characteristics

Organic material replaces glass	Weather-resistant, lightweight, high transmittance and low cost — the published best choice for packaging portable components.
UV resistance above 500 kWh/m²	With damp-heat UV above 75 kWh/m ² .
Over 90% light transmittance	Which is what makes a transparent structural layer viable in front of the cells at all.
Two constructions	HD-CPC-T at 315 μm total as an insulating backsheet, and HD-CDPC-FT at 575 μm as a transparent front sheet for lightweight modules.

Specification

Product Code	HD-CPC-T	HD-CDPC-FT	
Product Name	Insulating back sheet for crystalline silicon terrestrial photovoltaic (PV) modules	Transparent front sheet for light-weight crystalline silicon photovoltaic (PV) modules	
Product Structure	Air Coating	10μm, Protect PET	Air Side: 10μm, Weather-Resistance, UV Cut-Off
	Middle Layer	PET: 300μm, Insulation Property, Water Vapor Barrier Property	560μm, Insulation Property, Water Vapor Barrier Property
	Inner Coating	5μm, High Reflectivity, Great Bonding Performance with EVA	5μm, Great Bonding Performance with EVA
Thickness		Air Coating: 10±2μm PET: 300μm±5% Inner Coating: 5 (-0,+2)μm Total Thickness: 315μm±5%	Air Side: 10±5μm Middle Layer: 560μm±10% Inner Coating: 5 (-0,+2)μm Total Thickness: 575μm±10% Color
Color		Transparent	

Applications

- Portable and foldable modules
- Lightweight distributed modules
- Greenhouse and semi-transparent 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.