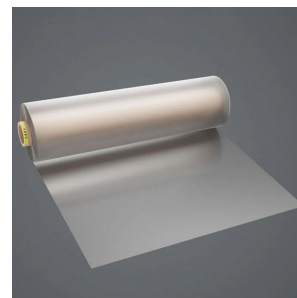


Transparent High-Barrier Backsheet

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

For TOPCon, HJT and perovskite modules, where moisture sensitivity is the reliability limit. Perovskite and HJT are the cell technologies the industry is betting on, and both are more sensitive to moisture than the PERC cells the current backsheet stock was designed for. A backsheet that was adequate in 2018 is a warranty liability on a 2026 bill of materials.



Key characteristics

WVTR of 10 ⁻² to 10 ⁻³ g/m ² ·day	Two to three orders of magnitude below a plain PET construction.
Insulation by structural design	The special structural design meets all module insulation requirements.
Power degradation under 2% after PID288 and DH2000	Accelerated ageing that mirrors the humid, high-voltage conditions that end field warranties.
321 μm $\pm 5\%$, transparent	10 μm weather-resistant UV cut-off air coating, 306 μm insulating middle layer and a 5 μm EVA-bonding inner coating.

Specification

Product Structure	Air Coating	Air Coating: 10 μm , Weather-Resistance, UV Cut-Off
	Middle Layer (PET)	Middle Layer: 306 μm , Insulation Propert, Water Vapor Barrier
	Inner Coating	Inner Coating: 5 μm , Great Bonding Performance with EVA
Product Type	HD-CPPC	HD-CPC
Product Code	HD-CPPC-T	
Product Name	Insulating back sheet for crystalline silicon terrestrial photovoltaic (PV) modules	High transmittance water blocking back sheet for crystalline silicon terrestrial photovoltaic(PV) modules
Thickness	Air Coating: 10 $\pm 2\mu\text{m}$ Middle layer: 306 $\mu\text{m} \pm 5\%$ Inner Coating: 5(-0,+2) μm Total Thickness: 321 $\mu\text{m} \pm 5\%$	
Color	Transparent	

Applications

- TOPCon, HJT and perovskite modules
- Glass and lightweight module designs
- Portable and distributed 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@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.