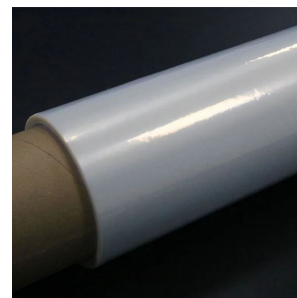


PVDF

Weather-Resistant Layer | Product code: HOMA-K

Over 40% fluorine content, no chalking or cracking after 800 kWh/m² UV, and a matte finish under 30 GU.

The front film of a lightweight module is the only thing between the cells and twenty-five years of ultraviolet. Get the chemistry wrong and it chalks, hazes and cracks, and the module loses output through a surface problem rather than a cell problem.



Key characteristics

Over 40% fluorine content	Maintains perfect condition without chalking or cracking after 800 kWh/m ² UV exposure.
Over 91% light transmittance	The light the film gives away never reaches the cell, so transmittance is a direct yield term.
Blocks over 99% of ultraviolet radiation	Protects the encapsulant and cells behind it, which is where UV damage actually shows up as yellowing and delamination.
Matte surface below 30 GU gloss	Effectively reduces light pollution — the reason glare complaints stop projects near airports and residential streets.

Specification

Test Item	Requirements	Range	Test Method
Thickness (μm)	20~50	-0/+2	Each volume in the width direction measure 5 points, and test environment temperature is 25■.
Width (mm)	1000~1300	-0/+5	Each volume in the length direction measure 5 points, and test environment temperature is 25■.
Length (m)	3000, 6000 or others	-0/+5	Samples are Measured with meter or tape in 25 degrees.

Applications

- Foldable and portable lightweight modules
- Residential balcony lightweight modules
- Automotive-integrated lightweight modules
- Commercial and industrial distributed lightweight modules
- BIPV
- Pneumatic structures
- Carports and gas stations
- Portable PV

Storage and shelf life

High storage stability with no special storage requirements. Warranty period is one year under cool, dry storage conditions.

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.