

ETFE

Weather-Resistant Layer | Product code: HOMA-E

94% transmittance, self-cleaning, unchanged after 25+ years outdoors, UL94 V-0.

Every percent of transmittance the front film costs you is a percent of yield gone for the life of the module, and on a lightweight laminate the film replaces glass that gave away almost nothing. ETFE is the chemistry that closes that gap.



Key characteristics

94% light transmittance	Directly enhances power generation efficiency relative to lower-transmittance films.
Self-cleaning surface	Low surface energy prevents dust accumulation, reducing cleaning frequency and maintenance cost — the recurring cost item on a distributed array.
Long-term durability	Maintains performance unchanged after 25+ years of outdoor exposure.
UL94 V-0 flame retardancy	Which is what makes it specifiable for building integration and pneumatic structures.

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.