



Description

CPP Solar is a US manufacturer and a global supplier of photovoltaic backsheets and frontsheets. Our HEMERA™ backsheets consists of KYNAR® PVDF which is a 20+ year proven performance in the PV industry which protects modules from moisture and UV to provide long term protection to the modules. CPP Solar provides a broad array of backsheet choices and we also work closely with module manufactures to provide innovative backsheets to meet their requirements and protect their modules.

HEMERA™ EPAG 1000 is a multi-layered film lamination designed to be used in applications requiring maximum moisture barrier for thin film PV applications. This construction of PVDF/AL/PET/EP offers the proven performance of a fluoropolymer based backsheet.

NOMINAL PROPERTIES

Physical:

Elongation at Break	125%
Weight	556 g/m ²
Thickness:	
PVDF	30 µm
Aluminium Foil	25 µm
PET	250 µm
Encapsulant Primer	100 µm
Total	405 µm

Intra-Layer Adhesion:

PVDF/AL	>4 N/cm
AL/PET	>4 N/cm
PET/Encapsulant Primer	>4 N/cm
BACKSHEET/EVA	>40 N/cm

Thermal:

Shrinkage % (MD/TD)	<0.87 / 1.0
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Electrical:

Partial Discharge	>1000 VDC
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Barrier:

MVTR (g/sm/day)	<0.005
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Advantages of HEMERA™ EPAG 1000

- Ultimate moisture barrier
- Proven PVDF performance
- Increased bond strength
- High UV protection
- Outstanding thermal stability
- Long term weatherability
- Dielectric Strength
- Inherent fire resistance
- Available in variety of colors

The "Green" Process

CPP Solar is a leader in the "Green Process". With our R&D center and manufacturing plant in Pennsylvania, USA CPP Solar's backsheets are made with a solvent free bonding technology, which decreases the overall carbon footprint of modules made with the HEMERA™ brand backsheets.

All technical advice, recommendations and services are rendered by the Seller gratis. They are based on technical data which is presented as nominal values that the Seller believes to be reliable, and are intended for use by persons at their own discretion and risk. Seller assumes no liability for results obtained from their use by Buyer in whole or in part.

