



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™ GPE 500 is a multi-layered film lamination designed to be used as a backing sheet for photovoltaic solar panels. This traditional construction of PVDF/PET/EP offers the proven performance of a fluoropolymer based backsheet.

NOMINAL PROPERTIES

Physical:

Tensile at Break (length)	23 N/cm
Tensile at Break (cross)	33 N/cm
Elongation at Break	104%
Weight	379 g/m ²
Thickness:	
KNYAR® PVDF	30 µm
PET	125 µm
Encapsulant Primer	150 µm
Total	305 µm

Intra-Layer Adhesion:

PET/PVDF	>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:

Breakdown Voltage	14.9 kV
Partial Discharge	>1100 VDC

Barrier:

MVTR (g/sm/day)	<2.5
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Advantages of HEMERA™ GPE 500

- Proven KYNAR® PVDF performance
- Increased bond strength
- High UV protection
- Excellent moisture barrier
- 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.

