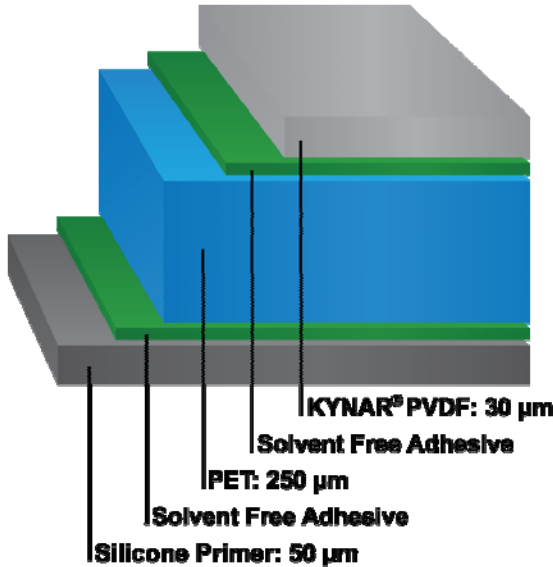


## HEMERA™ GPP 1000(SIL)



### NOMINAL PROPERTIES

#### Physical:

Elongation at Break	104%
Thickness:	
KYNAR® PVDF	30 µm
PET	250 µm
Silicone Primer	50 µm
Total	330 µm

#### Intra-Layer Adhesion:

PET/PVDF	>4 N/cm
PET/Silicone Primer	>4 N/cm
BACKSHEET/SILICONE	>40 N/cm

#### Thermal:

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

Breakdown Voltage	14.9 kV
Partial Discharge	>1000 VDC

#### Barrier:

MVTR (g/sm/day)	<2.0
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### 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™ GPP 1000 (SIL) is a multi-layered film lamination designed to be used as a backing sheet for photovoltaic solar panels. This construction of PVDF/PET/SP offers the proven performance of a fluoropolymer based backsheet. The GPP 1000 (SIL) construction provides maximum bonding strength to Silicone.

### Advantages of HEMERA™ GPP 1000(SIL)

- 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.