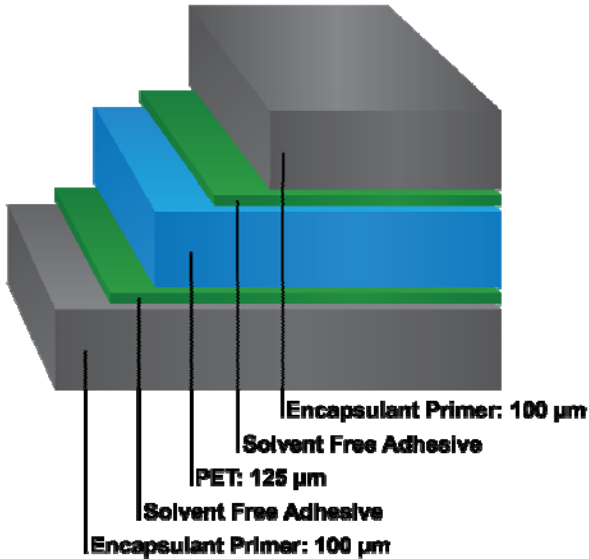


HEMERA™ EPE 500



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™ EPE 500 is a multi-layered film lamination designed to be used as an electrical insulator. This construction of EP/PET/EP offers the proven performance which is most often used in modules to prevent a short circuit within the module.

NOMINAL PROPERTIES

Tensile at Break (length)	75 N/cm
Tensile at Break (cross)	59 N/cm
Elongation at Break	93%
Weight	357 g/m ²
Thickness:	
Encapsulant Primer	100 µm
PET	125 µm
Encapsulant Primer	100 µm
Total	325 µm

Intra-Layer Adhesion:	
PET/Encapsulant Primer	>4 N/cm
BACKSHEET/EVA	>40 N/cm

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

Electrical:	
Breakdown Voltage	14.9 kV
Partial Discharge	>1000 VDC

Advantages of HEMERA™ EPE 500

- Excellent dielectric strength
- Proven durability
- High bond strength
- Increased vacuum lamination throughput
- 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.