



Filmback EPE is a laminate made with a PET film layer covered on both sides by two primer films; it can be used interposed between the ribbons and the bus bars in the connections of the PV modules.

Characteristics



Features:

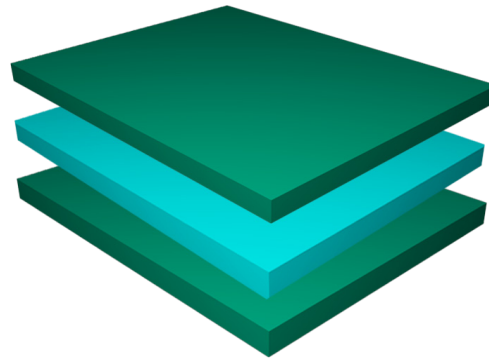
- One layer of PET film electrical grade covered with two layers of special primer to achieve a strong bond with the encapsulant.
- Very strong insulation and safety for the PV module. Filmback EPE is available in different versions, varying in PET film thickness and colors; available in white, black and transparent, cut and shaped according to customer's requirement.

Business notes

The product can be supplied cut in rolls, sheets or dye-cut according to customer specs.
PET standard thickness: 125 μm – other thickness upon request (50 μm , 75 μm , 175 μm and 250 μm).
Other colors available upon request: W white, BK black, T transparent.
Shelf life: 2 years.

Structure

-  Primer
-  PET electrical grade





Technical Data

Properties	Unit	Method	Value
PET film electrical grade inner layer	micron	caliper	125
Primer White colour x2 layers	micron	caliper	100
Laminate thickness (tolerance +/- 5%)	micron	caliper	340
Unit weight (tolerance +/- 5%)	g/m ²	10x10 weight	400
Tensile strength (MD)	N/10mm	ASTM D-882	220
Tensile strength (TD)	N/10mm	ASTM D-882	180
Elongation at break (MD)	%	ASTM D-882	110
Elongation at break (TD)	%	ASTM D-882	100
Layer peel strength (PET / Primer)	N/10mm	T-peel (peek value)	>5
Breakdown voltage	kV	ASTM D-149	>15

All values stated are to be considered as typical values. The above information is liable to change due to innovation and improvement in the manufacturing process.

Note:

Other colors available upon request: W white, BK black, T transparent.

Cut sheets (sizes, drills etc.) according to customer's specifications.

Shelf life: 2 years.

Certifications



The polyester film used in the manufacturing of Filmback EPE is completely recyclable.