

BACKSHEET FOR PV MODULE PROTECTION

Thanks to the innovative black PET dyMat BK PYE SPV L® guarantees superior hydrolysis resistance and outstanding UV stability. The long term resistance of the laminate is granted by specific adhesives at improved hydrolysis resistance. The cell side is treated with a special thick primer which provides extremely high bonding to encapsulants. Both air side and cell side are of black colour. The laminate thickness has been designed to provide the best combination of properties in terms of electrical insulation and weatherability.

	Unit	Method	Typical values
PET thickness, air side, black	micron	caliper	50
PET thickness, inner layer, hazy	micron	caliper	125
Primer thickness, black	micron	caliper	100
Laminate thickness	micron	caliper	295 +/- 5%
Unit weight	gr/sqm	10x10 weight	360 +/- 5%
Tensile strength (MD)	N/10 mm	ASTM D-882	>260
Tensile strength (TD)	N/10 mm	ASTM D-882	>290
Elongation at break (MD)	%	ASTM D-882	>85
Elongation at break (TD)	%	ASTM D-882	>40
Heat shrinkage (MD) 150°C x 30'	%	ASTM D-1204	< 1,2
Heat shrinkage (TD) 150°C x 30'	%	ASTM D-1204	< 0,8
Layer peel strength	N/15 mm	T - peel (peak value)	> 6,0
Encapsulant adhesion ** (primer coated side vs encapsulant)	N/10 mm	internal	>70
Water Vapour Transmission Rate (at 38° 90% RH)	gr/sqm x day	ASTM F-1249	<2,0
Breakdown voltage	kV	ASTM D-149	> 20
Partial discharge test	VDC	IEC 60664-1	> 1000

All the values stated are to be considered as typical experimental values and not specification limits

Notes

Other thicknesses on request
Cut sheets (sizes, drills etc.) according to customer's specifications
Shelf life: 2 years

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.
We assume no liability for any infringement of any patent, copyright or design on the part of the customer while exploiting the film for different end-uses.



Coveme is UNI EN ISO 9001:2008, ISO 14001:2004 and OHSAS 18001:2007 certified

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