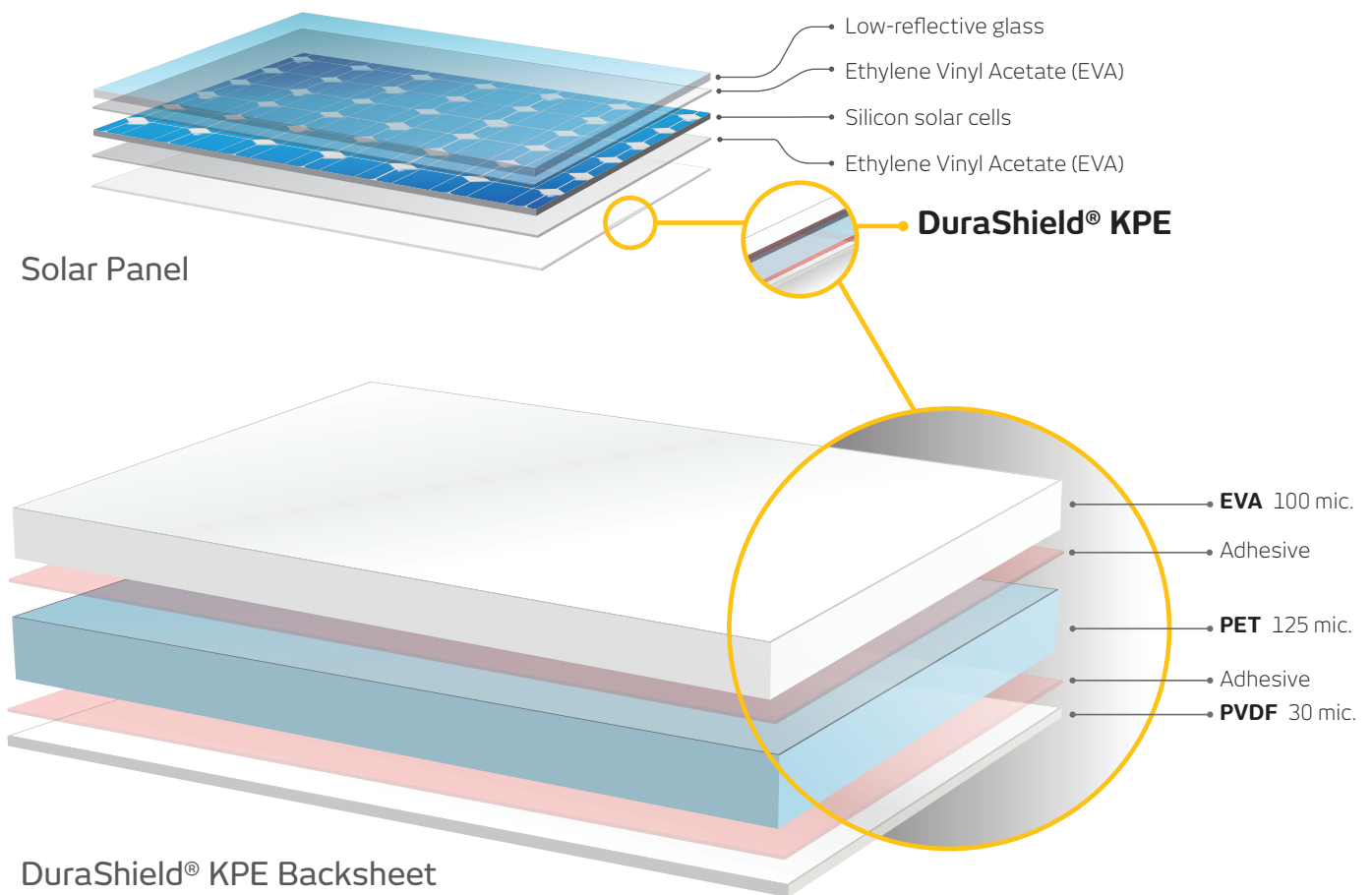


DuraShield® KPE Backsheets

PVDF/PET/EVA backsheet laminates for crystalline silicon modules

DuraShield® KPE combines all the advantages of a fluoropolymer external film with the exceptional reflectivity of an ultra-white EVA layer ensuring high light reflectance and good adhesion to EVA encapsulant. With its base construction of Kynar® film laminated to polyester and a white EVA, DuraShield® KPE is engineered to deliver outstanding performance for the life of the module.



The DuraShield® KPE advantages

- Exceptional adhesion to EVA encapsulant
- High electrical insulation
- Excellent weatherability
- Economical alternative to PVF constructions
- Dimensional stability
- Long-lasting, enhanced reflectivity

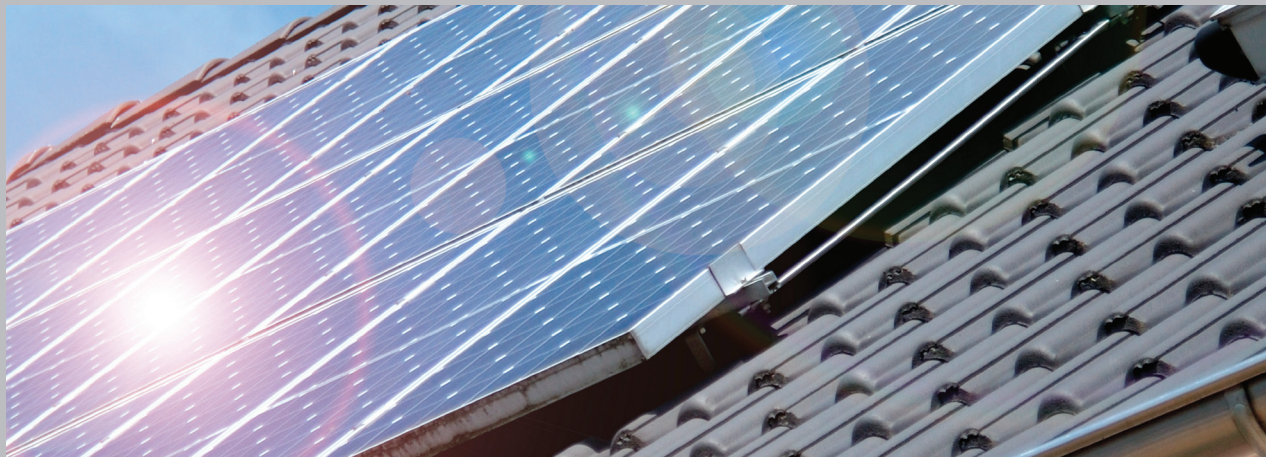
Specifications

A 270-micron PVDF/PET/EVA laminate that uses Kynar® PVDF film, which has an adhesion-promoting surface treatment on the external layer.

Options: Available in various thicknesses of PET film and colors of PVDF film.

Item Number : P2551PV

		Total laminate		Test method
Appearance		White		
Thickness	(micron) (mil)	270 ±10% 10.8		Thwing-Albert thickness tester
Area yield	(m²/kg) (ft²/lb)	2.9 14.2		
Tensile strength	(Mpa) (Kpsi)	MD 100 14.5	TD 115 16.7	ASTM D882
Elongation at break	(%)	MD 150	TD 110	ASTM D882
Shrinkage	(MD/TD) (%)	< 1.2		30 minutes at 150 °C
Interlayer peel strength	(N/cm) (g/in.)	≥ 5 ≥ 1270		ASTM D882
EVA peel strength	(N/cm) (g/in.)	> 70 > 17780		Internal
Partial discharge test	(VDC)	> 1000		IEC 60664-1
MVTR	(g/m² x day)	< 2.2		100% RH (38 °C)



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energy efficiency

