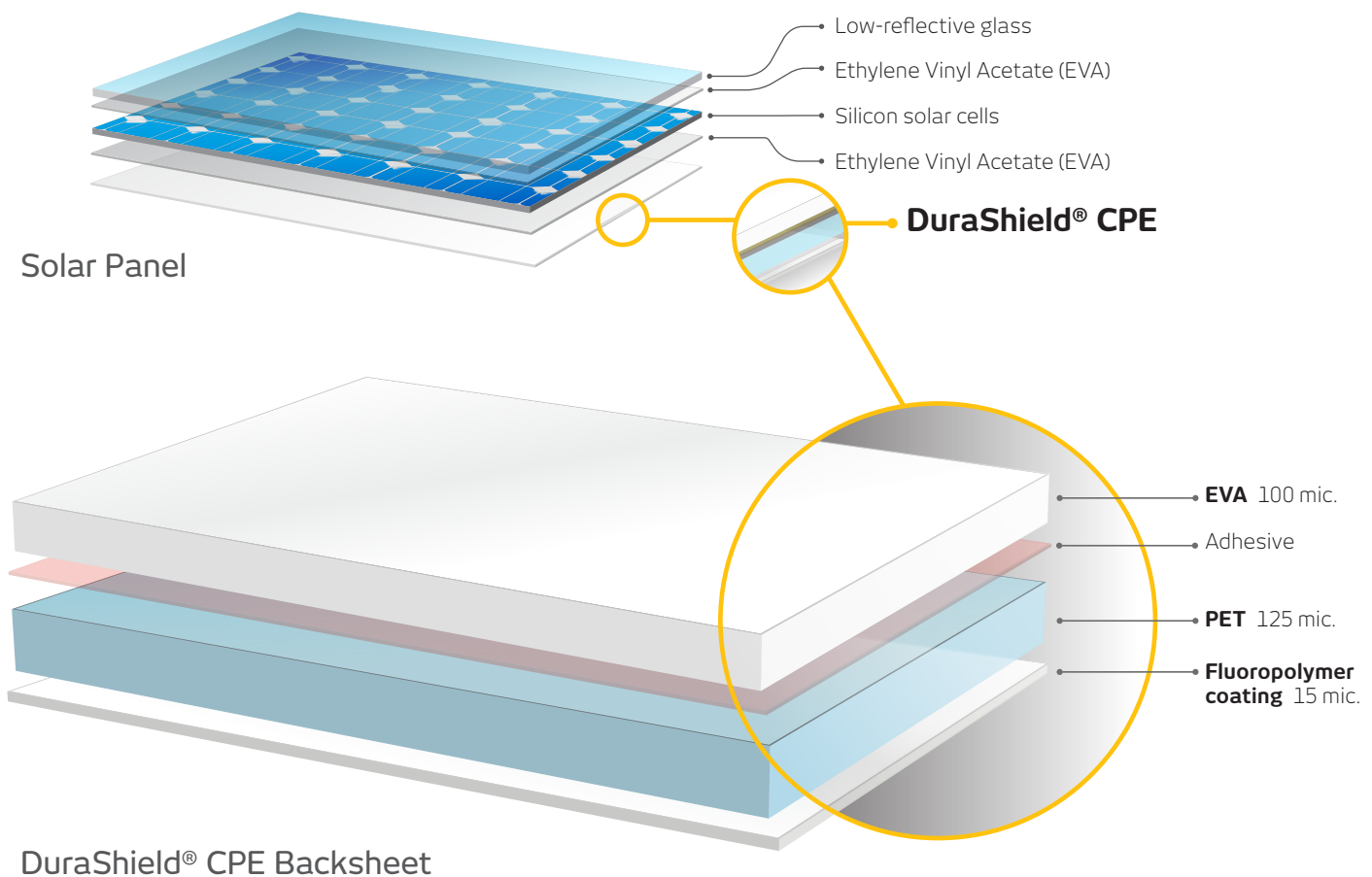


DuraShield® CPE Backsheets

DuraShield® CPE backsheet for crystalline silicon modules

A highly durable, 250-micron, fluoropolymer-coated backsheet laminate with an ultra-white EVA layer for high light reflectance and good adhesion to EVA encapsulant, laminated to a clear polyester for high electrical insulation and mechanical strength. The laminate is protected by a highly durable fluoropolymeric coating for exceptional weatherability, delivering the outstanding and proven performance of Fluoropolymer together with the cost advantage of a coating process.



The DuraShield® CPE advantages

- Exceptional adhesion to EVA encapsulant
- Highly economical, with no compromise in performance
- High electrical insulation
- High weatherability
- Dimensionally stable
- Maintains high reflectivity

Specifications

Options: Available in different thicknesses of PET film.

Item Number: P2251PV

		Total laminate		Test method
Appearance		White		
Thickness	(micron) (mil)	250 ±10% 9.84		Thwing-Albert thickness tester
Area yield	(m ² /kg) (ft ² /lb)	3.0 14.7		
Tensile strength	(Mpa) (Kpsi)	MD 120 17.4	TD 110 15.95	ASTM D882
Elongation at break	(%)	MD 120	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 > 17424		Internal
Partial discharge test	(VDC)	> 1000		IEC 60664-1
MVTR	(g/m ² x day)	< 2.4		100% RH (38 °C)



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energy efficiency



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