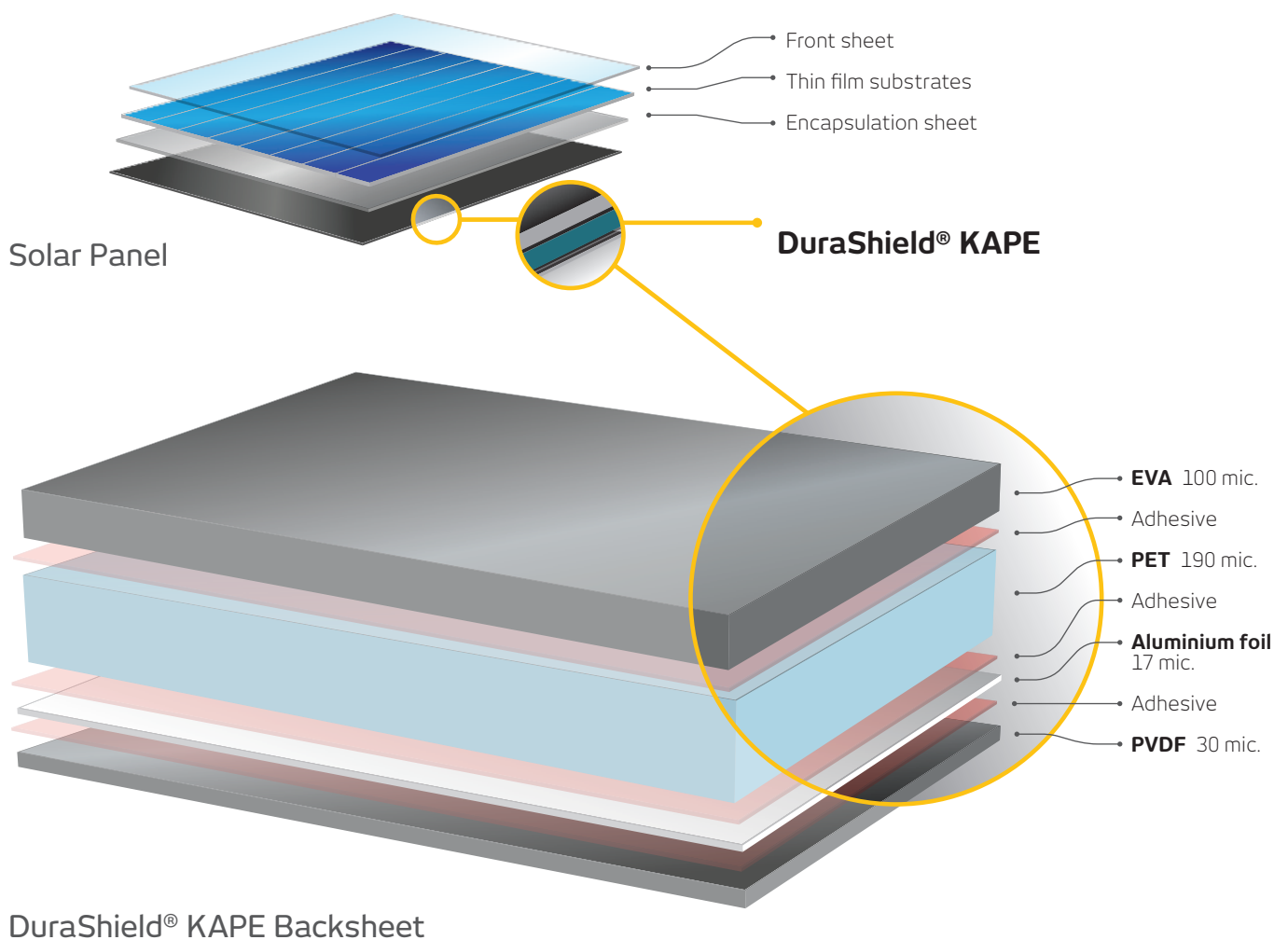


DuraShield® KAPE Backsheets

PVDF/Al/PET/EVA backsheet laminates for thin-film modules

DuraShield® KAPE laminate uses Kynar® PVDF film and an integrated layer of aluminum to deliver outstanding weatherability and to achieve the exceptional barrier properties demanded by thin-film technologies.



The DuraShield® KAPE advantages

- Light weight and flexible alternative to glass
- Exceptional adhesion to EVA encapsulant
- Outstanding moisture and gas barrier
- High weatherability
- Dimensionally stable

Specifications

A PVDF/Al/PET/EVA laminate that uses Kynar® PVDF film and an integrated layer of aluminum.

Item Number: P3382PV

		Total laminate		Test method
Appearance		Black		
Thickness	(micron) (mil)	350 ±5% 13.78		Thwing-Albert thickness tester
Area yield	(m ² /kg) (ft ² /lb)	2.1 10.28		
Tensile strength	(Mpa) (Kpsi)	MD 60 8.7	TD 69 10.07	ASTM D882
Elongation at break	(%)	MD 110	TD 90	ASTM D882
Shrinkage	(MD/TD) (%)	< 1.5		30 minutes at 150 °C
Interlayer peel strength	(N/cm) (g/in)	≥ 4 ≥ 1016		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)	< 0.005*		100% RH (38 °C)

* = Below detection level



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energy efficiency



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