

ARZONA KPC 260

The backsheet with an extra layer of reliability for durable solar PV modules

Proven resistance to weathering

Market accepted PVDF air side

Electrical safety and dimensional stability

ARZONA core PET with certified Partial Discharge > 1000 VDC

Enhanced module efficiency and durability

High reflectivity and UV protection of Agfa proprietary cell side layer

AGFA OFFERS VALUE BEYOND THE PRODUCT

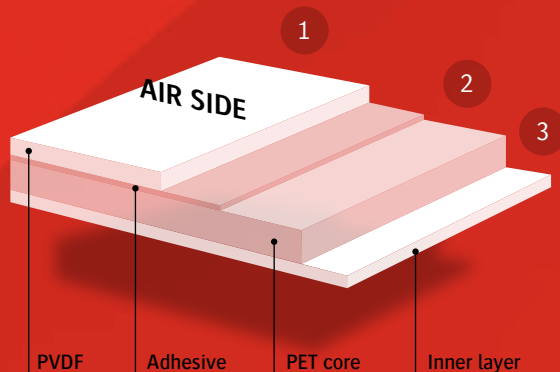
- state-of-the-art expertise in PET
- partnership with a strong global player
- high volume production capacity
- global availability of Quality made in Europe
- strong R&D for cost reduction roadmap



Power by Technology

ARZONA KPC 260

Agfa's state-of-the-art hybrid backsheets present an asymmetric structure that back your solar module performance with **over 100 years'** proven technology and offer an outstanding cost performance ratio.



- 1 The PVDF air side layer brings great **weathering protection** in a wide variety of climates and geographies.
- 2 The thick bi-axially oriented polyester core offers **premium quality** and exceptional thermal and mechanical **stability**, and delivers the required electrical **safety**.
- 3 A proprietary UV-protective inner layer on the cell side delivers **excellent adhesion** with encapsulant and UV protection to ensure module **efficiency** and **durability**.

- World-class quality PET
- High stability and low shrinkage during entire module lifecycle
- High mechanical strength to support mechanical load performance of module
- High hydrolytic resistance of polyester core layer
- Optimal light reflection rate of inner layer to increase module efficiency
- Following Agfa's severe QA selection criteria for raw materials only premium quality adhesive components from expert suppliers are used to deliver excellent adhesions PET/PVDF
- Elevated RTI rating

Property	Unit	Value	Method
Total Thickness	μm	290 (±5%)	ASTM 374-D
Tensile strength MD/TD	N/mm ²	≥100/100	ASTM D-882
Elongation at break MD/TD	%	≥100/80	ASTM D-882
Heat shrinkage MD/TD	%	≤0-0.8/0-0.5	ASTM D-1204 (150°C 30 min.)
Adhesion strength PET/EVA	N/cm	>40*	AGFA Internal method based on IEC82/747/NP; depending on lamination conditions and encapsulant type >60N/cm can be achieved
Adhesion strength PET/PVDF	N/cm	>4	AGFA Internal method based on IEC82/747/NP
Reflectivity Inner Layer	%	>80	ISO EN410 (380 - 780 nm)
WVTR at 38°/90%RH	g/m ² * day	<2.4	ASTM F-1249
Breakdown voltage	kV	>17	ASTM D-149
Partial discharge	VDC	>1000	IEC 60664-1

(*) based on testing with various specific encapsulant brands using respective manufacturer's lamination recommendations

More information?

Go to agfa.com/arzona to find your regional sales partner
or send an email to arzona@agfa.com.



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