ARZONA PC
PV PET with integrated Inner Layer for durable and cost efficient backsheet

Agfa proprietary Inner Layer formulation
For UV resistance and strong adhesion to EVA

Hydrolysis resistant PET
In various thickness for backsheet for 1000 and 1500 VDC

PV PET with integrated Inner Layer
For flexible combination with all types of air side layers

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
Agfa’s PV PET with integrated Inner Layer on the cell side allows for cost efficient and flexible construction of durable backsheets for the assembly of highly efficient, safe and durable solar PV modules. ARZONA PC is available on the market in a range of different thickness so that it can be combined with any air side laminate and optimally meet the latest IEC standard regarding Distance Through Insulation (DTI). Backsheet structures using Agfa PET with integrated Inner Layer help reduce tension in materials during module lamination thanks to exceptional dimensional stability.

**ARZONA PC**

The Agfa proprietary Inner Layer on the cell side delivers excellent adhesion with most used encapsulants and UV resistance to ensure module efficiency and durability.

The PV dedicated BOPET (bi-axially oriented polyester) core allows for easy lamination with any type of air side layer. Its premium quality delivers the required electrical safety and exceptional dimensional and hydrolytic stability.

- World-class quality PET in various thickness
- High dimensional stability (low shrinkage) during module assembly
- Superior strength to support mechanical load performance of module
- UV and hydrolysis resistance

**TYPICAL VALUES**

<table>
<thead>
<tr>
<th>Property</th>
<th>Unit</th>
<th>ARZONA PC 130</th>
<th>ARZONA PC 175</th>
<th>ARZONA PC 260</th>
<th>ARZONA PC 290</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total thickness (*)</td>
<td>µm</td>
<td>130</td>
<td>175</td>
<td>260</td>
<td>290</td>
<td>ASTM 374-D</td>
</tr>
<tr>
<td>Heat shrinkage MD/TD (%)</td>
<td></td>
<td>&lt; +0.8 / &lt; +0.5</td>
<td>&lt; +0.8 / &lt; +0.5</td>
<td>&lt; +0.8 / &lt; +0.5</td>
<td>&lt; +0.8 / &lt; +0.5</td>
<td>ASTM - D1204</td>
</tr>
<tr>
<td>Breakdown voltage (kV)</td>
<td></td>
<td>≥ 7.5</td>
<td>≥ 9.5</td>
<td>≥ 15</td>
<td>≥ 16.5</td>
<td>ASTM - D149 (1” diameter electrode in air)</td>
</tr>
<tr>
<td>Adhesion strength PET/EVA (**)</td>
<td>N/cm</td>
<td>≥ 40</td>
<td>≥ 40</td>
<td>≥ 40</td>
<td>≥ 40</td>
<td>Internal Agfa method based on IEC DTS 62788-2, achieved with corona; values depend on lamination conditions and encapsulant type</td>
</tr>
</tbody>
</table>

(*) other thickness available upon request
(**) values based on testing with various specified encapsulant brands using respective manufacturers’ lamination recommendations

More information?

Go to [agfa.com/arzona](http://agfa.com/arzona) to find your regional sales partner or send an email to [pvbacksheets@agfa.com](mailto:pvbacksheets@agfa.com).

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