

## MATERIAL SPECIFICATION

### 2P190 AI

Mod. EVA primer 125 // AI 12 //PET 190 // Hydr+UV res. PET 50

*Application: Backsheets for photovoltaic modules*

Properties	Unit	Method	Typical value
Laminate thickness	µm		390
Unit weight	g/m <sup>2</sup>		493
Sheet size	mm		Customer spec
Roll width	mm		Customer spec
Roll length	m		Customer spec
<b>Adhesive system</b>			
Peel strength layers	N/m	Internal test method	400
Peel strength towards EVA	N/10mm	DIN EN 28510-1	40
<b>Physical and Thermal properties</b>			
Colour			White/Black
Heat shrinkage 150°C x 30 min	(MD) (TD)	%	ASTM D-1204 <1.5 <1.0
Tensile strength of laminate, max load	(MD) (TD)	N/10 mm	IPC-TM-650; 2.4.19c 395 555
Elongation at break	(MD) (TD)	%	IPC-TM-650; 2.4.19c 144 78
Moisture barrier at 38°C and 90% RH		g/m <sup>2</sup> /day	ASTM F-1249 <0.01
<b>Electrical properties</b>			
Breakdown voltage		kV	ASTM D-149 >25
Partial discharge test		VDC	IEC 60664-1 >1050

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