

MATERIAL SPECIFICATION
1P200 Al

Mod. EVA primer 200 // Al 9 // Hydr+UV res. PET 50

Application: Backsheets for photovoltaic modules

Properties	Unit	Method	Typical value
Laminate thickness	µm		270
Unit weight	g/m ²		280
Sheet size	mm		Customer spec
Roll width	mm		Customer spec
Roll length	m		Customer spec

Adhesive system

Peel strength layers, Hydr+UV res. PET // Al	N/m	Internal test method	600
Peel strength layers, Al // EVA primer	N/m	Internal test method	600
Peel strength towards EVA	N/10mm	DIN EN 28510-1	>115 (1)

Physical and Thermal properties

Colour				White/Black
Heat shrinkage 150 C x 30 min	(MD) (TD)	%	ASTM D-1204	2.0 0.5
Tensile strength of laminate, max load	(MD) (TD)	N/10mm	IPC-TM-650; 2.4.19c	120 120
Elongation at break	(MD) (TD)	%	IPC-TM-650; 2.4.19c	130 95
Moisture barrier at 38°C and 90% RH		g/m ² /day	ASTM F-1249	<0.05

Electrical properties

Breakdown voltage		kV	ASTM D-149	> 29
Partial discharge test		VDC	IEC 60664-1	≥ 1038

(1) Back sheet is inseparable from EVA.

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