

## BackPRO ABS-CPC

Alishan Backsheet BackPro ABS-CPC are available in both 1000 V & 1500 V system voltage. The backsheet comes with a proprietary coating layer on both the airside and cell side.

CONSTRUCTION DETAILS		ABS - CPC
LAYER NO.	PARTICULARS	
1	Air Side Fluoro Coating	
2	Middle PET Layer	
3	Cell Side Fluoro Coating	

S. NO.	PROPERTIES	UOM	TEST METHOD	ABS – CPC – 1000 V		ABS – CPC – 1500 V	
1	Thickness	µm	Micrometer	275 ± 5 %		310 (-10/+15)	
2	Width	mm	Scale	Up to 1350		Up to 1350	
3	Tensile Strength	MPa	ASTM D 882	MD	100	MD	100
				TD	100	TD	100
4	Elongation	%	ASTM D 882	MD	100	MD	100
				TD	90	TD	90
5	Thermal Shrinkage	%	150° C / 30 min	MD	1.0	MD	1.0
				TD	1.0	TD	1.0
6	Coating Adhesion	Grade	GB / T9286	Air Side	Grade 0	Air Side	Grade 0
				Cell Side	Grade 0	Cell Side	Grade 0
7	Adhesion with EVA	N/cm	ASTM D 903	60		60	
8	MVTR	g/m <sup>2</sup> day	ASTM F 1249	2		2	
9	CTI	V	IEC 60112	> 600		> 600	

# RELIABILITY DATA OF

# BackPRO ABS-CPC

# ALISHAN

GREEN ENERGY PVT. LTD.

Ageing	Standard	Parameters	Value
DH 3000 hours 85% RH, 85°C	IEC 62788-2	Peel strength with Alishan EPE	> 50 N/10 mm
		Peel strength with Alishan POE Appearance	> 40 N/10 mm Normal
UV 180 kWh/m <sup>2</sup> 85% RH, 85°C	IEC 62788-2	Peel strength with Alishan EPE	> 60 N/10 mm
		Peel strength with Alishan POE Appearance	> 40 N/10 mm Normal

- Packing** : Upto 200 meters per roll, 9 or 12 rolls per pallet  
**Storage Condition** : To be stored in sealed packing at temperature 30° C & Humidity 60  
**Shelf life** : %  
Recommended to use within 24 months from the date of manufacture

The above properties are a typical range of properties and are not to be used for designing or establishing the limits of specification.