

BackPRO (ABS-KPC-T)

Alishan Back Sheet BackPro ABS-KPC-T is of 1500 V system voltage with airside PVDF layer and proprietary cell side Fluoro coating layer. It comes with the benefits of superior transmittance and hydrophobicity for high efficiency M10 and M12 modules.

STRUCTURE DETAILS			ABS - KPC-T
LAYER NO	PARTICULARS	THICKNESS (μm)	
1	Air side transparent PVDF	25	
2	Adhesive layer	10	
3	Middle transparent PET	275	
4	Cell side Coating	6	

S. NO.	PROPERTIES	UOM	TEST METHOD	ABS-KPC-T (1500 V)	
1	Thickness	μm	Micrometer	315 ± 5 %	
2	Width	mm	Scale	Upto 1350	
3	Transmittance	%	ASTM E 424	>91	
4	Tensile Strength	MPa	ASTM D 882	MD	≥ 100
				TD	≥ 100
5	Elongation	%	ASTM D 882	MD	≥ 100
				TD	≥ 90
6		%	150°C / 30 min	MD	≤1.0
				TD	≤1.0
7		N/cm	ASTM D 903	PVDF-PET	≥4.0
8		Grade	GB / T9286	Cell side	Grade 0
9		N/cm	ASTM D 903		≥ 60
10		g/m ² /day	ASTM F 1249		≤ 2
11		V	IEC 60112		> 600

Packing : Up to 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 : %

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



RELIABILITY DATA OF

BackPRO (ABS-KPC-T)

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	> 40 N/10 mm
		Yellowness Index	< 4
		Appearance	Normal
UV 180 kWh/m ²	IEC 62788-2	Peel strength with Alishan EPE	> 60 N/10 mm
		Peel strength with Alishan POE	> 40 N/10 mm
		Yellowness Index	< 4
		Appearance	Normal
Acid tests	24 hours immersion in	Visual	No Visual defects

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