



KNACK ENERGY PVT. LTD.

Empowering the future...

Solar Backsheet

KNACK BS PET W10

It is a polyethylene terephthalate based weather stable white back sheet suitable for 1000VDC system.

It is designed uniquely with inseparable layers of PET along with a high bonding Knack specialized primer layer. IT has excellent thermal dimension stability which provides wide processing window to users. It can be used for all crystalline PV module manufacturing. It offers high barrier to water vapor and excellent adhesion with encapsulants.

 **UL File No - E527726**

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Office: 330/A, Third Floor, Kalasagar Mall, Opp. Saibaba Temple, Near Sattadhar Cross Road, Ghatlodiya, Ahmedabad - 380061 Gujarat, India.

Factory: Plot No. 31/A, Kamla Amrut Industrial Estate, Survey No. 252, Near Hitachi Johnson, Budasan, Ta:Kadi, Dist:Mehsana - 382715. Gujarat, India.

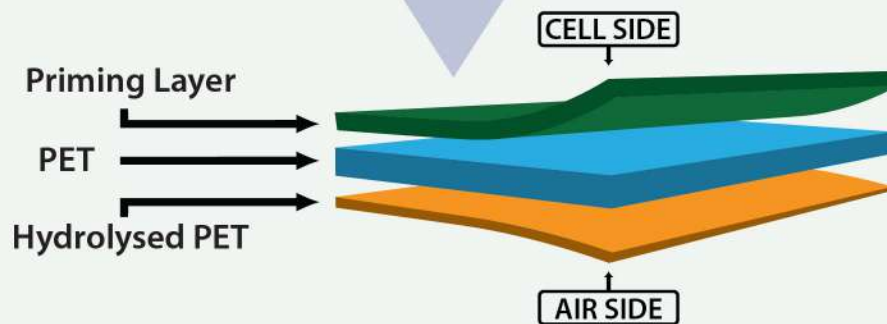


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PROPERTIES

Properties	UOM	Test Method	KNACK BS PET W10	
Thickness	µm	Micrometer	300 ± 5%	
Width	mm	Scale	Up to 1400	
Tensile Strength	MPa	ASTM D 882	MD	≥ 90
			TD	≥ 90
Elongation	%	ASTM D 882	MD	≥ 100
			TD	≥ 100
Thermal Shrinkage @150° C/30 Min	%	ASTM D 1204	MD	≤ 1.5
			TD	≤ 0.5
Interlayer Adhesion	N/cm	ASTM D 903	PET-Primer	≥ 4
Adhesion With EVA	N/cm	ASTM D 903	≥ 75	
Dielectric Strength	kV/mm	ASTM D 149	≥ 20	
CTI	V	IEC 60112	≥ 600	
Distance through insulation	µm	IEC 60112	≥ 150	
Reflectance	%	-	≥ 75	
WVTR	g/m ² day	ASTM F 1249	< 2	



Storage Condition: To be stored in sealed packing at temperature < 35 °C & Humidity < 60 %
Shelf life: It is recommended to use within 24 months from the date of manufacture