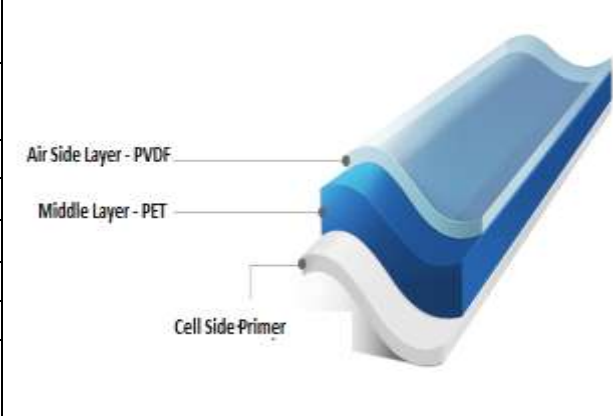


Vishakha PVDF 1500 V TP is a fluorine based transparent backsheets with high moisture barrier and UV protection. Its excellent transparency in visible region makes it an ideal candidate for bifacial modules.

S.N	Properties	UOM	Test Method	Vishakha PVDF	
1	Thickness	µm	Micro meter	370 ± 5 %	
2	Width	mm	Scale	Up to 1250	
3	Transmittance in translucent region (400-1100 nm)	%	ASTM D 424	>91	
3	Tensile Strength	MPa	ASTM D 882	MD	100
				TD	100
4	Elongation	%	ASTM D 882	MD	≥100
				TD	≥100
5	Thermal Shrinkage @ 150 °C / 30 min	%	ASTM D 1204	MD	≤1.5
				TD	≤0.5
6	Interlayer Adhesion	N/cm	ASTM D 903	PVDF-PET	≥4
				PET- Primer coating	≥4
7	Adhesion with encapsulant	N/cm	ASTM D 903	≥75	
8	Breakdown Voltage	kV/mm	ASTM D 3755	≥ 50	
9	Partial Discharge	VDC	IEC 61730	≥ 1500	
10	Distance through insulation	µm	IEC 61730-1:2016	>300	
11	CTI	V	IEC 60112	>600	

Construction of Vishakha Backsheet			
Layer No	Particulars	Thickness (µ)	
1	Air side layer – PVDF	25	
2	Adhesive	10	
3	Middle Layer - PET	275	
4	Adhesive	10	
5	Cell side – Primer	50	
Total Thickness of Back sheet		370	



### UL recognized under File No: - QIHE2.E487880

Storage Condition: To be stored in sealed packing at temperature < 30 °C & Humidity < 60 %

Shelf life: It is recommended to use within 12 months from the date of manufacture

Vishakha House, House number 9, Inspire Business Park, Adani Shantigram Township, Sarkhej Gandhinagar, Ahmedabad, Gujarat-382421

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