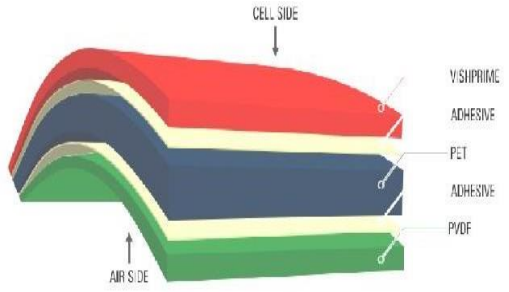


Vishakha 1500 V PVDF is a fluoride based weather stable and UV stable back sheet. It can be used for all Crystalline PV Module Manufacturing.

S.N	Properties	UOM	Test Method	Vishakha PVDF	
1	Thickness	µm	Micro meter	370 ± 5 %	
2	Width	Mm	Scale	Up to 1250	
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	≥4
7	Adhesion with EVA	N/cm	ASTM D 903	≥75	
8	MVTR	g/m ² /day	ASTM 1249	1.51	
9	Breakdown Voltage	kV/mm	ASTM D 3755	71.55	
10	Dielectric Strength	kV/mm	ASTM D 149	43.14	
11	Comparative Tracking Index	V	IEC 60112	> 600	
12	Average Flame Spread Index	-	ASTM E 162	75	
13	RTI – Electrical	°C	UL 1703	140	
14	RTI – Mechanical	°C	UL 1703	150	
15	Yellowness Index (After DH, ΔYI)	NA	ASTM E 313	< 2	

Construction of Vishakha 1500 V PVDF backsheet		
Layer No	Particulars	Thickness (µ)
1	Air side layer – PVDF	25
2	Adhesive	10
3	PET	275
4	Adhesive	10
5	Cell side – VishPrime	50
Total Thickness of Back sheet		370



VISHPRIME
ADHESIVE
PET
ADHESIVE
PVDF

Vishakha PVDF

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