



Vishakha PET

A fresh approach
to encapsulating energy



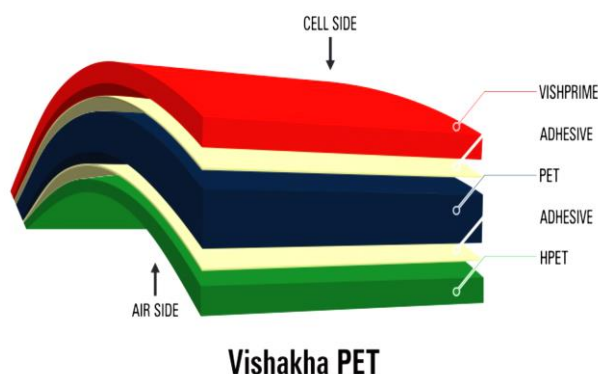
VISHAKHA
SOLAR FILMS PRIVATE LIMITED
Dedicated to Innovation

Vishakha PET is a polyethylene terephthalate based weather stable with good mechanical strength back sheet. It can be used for all crystalline PV module manufacturing

S.N	Properties	UOM	Test Method	Vishakha PET	
1	Thickness	μm	Micro meter	320	
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	HPET-PET	≥5
				PET- Primer	≥5
7	Adhesion with EVA	N/cm	ASTM D 903	≥75	
8	Breakdown Voltage	kV/mm	ASTM D 149	69	
9	MVTR	g/m ² /day	ASTM F 1249	1.58	
10	Partial Discharge	V DC	IEC 61730	1000	
11	Relative Thermal Index	°C	Electrical	140	
		°C	Mechanical	125	
12	Comparative Tracking Index	V DC	IEC 60112	600 V	
13	Radiant Panel/Flame Spread Index	Rating	ASTM E 162	RP 50	

Construction of Vishakha PET back sheet

Layer No	Particulars	Thickness (μ)
1	Air side layer – HPET	50
2	Adhesive	10
3	PET	125
4	Adhesive	10
5	Cell side – VishPrime	125
Total Thickness of Back sheet		320



UL recognised under File No: QIHE2.E487880

TUV/UL tested – DHT, CTI, RTI, IPT, FSI/RPT



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
 Supply : Rolls of 150 linear meter & Pallets suitable for export

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