



Vishakha POE



Vishakha POE is a Polyolefin based state-of-the-art encapsulant for the G2G or G2TBS solar module configurations. It is one of the finest and in demand encapsulants for high efficiency bifacial solar PV market. Highly proven extrusion technology led to the development of PID free, highly stable and excellent optically transparent encapsulant which pave the global acceptance.

Lamination Properties	Parameters	Unit	Values
	Vacuum / Evacuation Time	Minutes	5-7
	Lamination / Pressing Time	Minutes	6-15
	Lamination Temperature	°C	145 - 150
	Gel Content - as per ASTM D 2765 - Soxhlet Method	%	70-85

Both the side embossed front and back (G2TBS mode) encapsulants possess the properties as listed.

Parameters	Test Standard	Unit	Value
Thickness	ASTM D 6988	µm	>650 (customizable)
Width	Scale	mm	up to 1135
Optical Transmittance	ASTM E 424	%	≥91.5
UV cut off (Back POE)	ASTM E 424	nm	360±3
Volume Resistivity	ASTM D 257	Ω.cm	>1x10 ¹⁶
Tensile Strength	ASTM D 638	MPa	≥ 9
Elongation	ASTM D 638	%	≥ 900
Peel strength with Glass	ASTM D 903	N/cm	≥100
Peel strength with Back sheet	ASTM D 903	N/cm	≥90
Thermal shrinkage	160 °C, 5 minutes on Glass surface		MD ≤ 3%, TD ≤ 1.5%
Comparative tracking index (CTI)	IEC 60112	V	>600
WVTR (at 38 °C & 90% RH)	ASTM F 1249-20	g/m ² .day	<5
Melting point	ISO 11357-3	°C	65±2

UL recognized under File No:E485922



Storage Condition: To be stored in sealed packing at temperature < 30 °C & Humidity < 60 %
Shelf life : It is recommended to use within 6 months from the date of manufacture
Supply : Rolls of 150 linear meter & Pallets suitable for export

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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