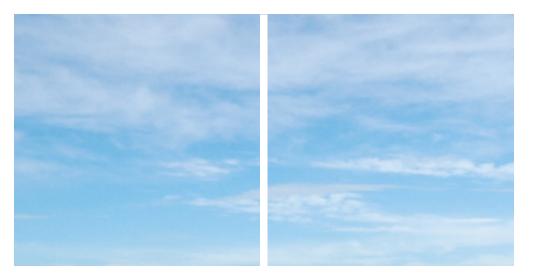


India's first &

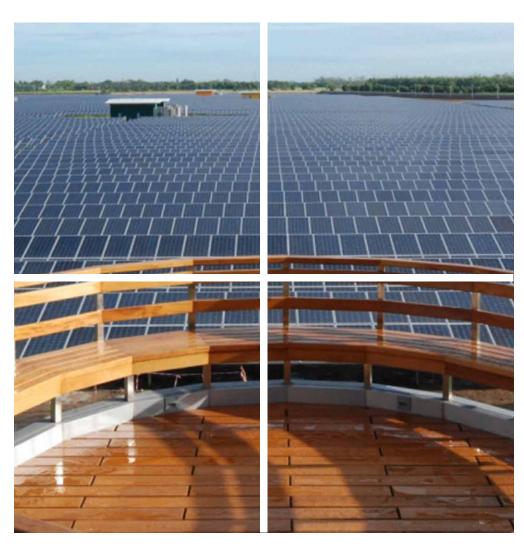
Solar E VA ncapsulants

Compatibility with wide range of cells & backsheets and fluxes 50,000⁺ hours of real environmental testing Preferred by over 50 module Manufacturers, across 10⁺ states Enhanced Transparency & PID Resistance 200MW⁺ of module laminations Excellent peeling strength & Crosslinking ratio Backed by over 30 years of EVA processing experience



With over 50,000+ hours of real environmental testing and over 200 MW of module laminations, 'Brij Advantage' series of module encapsulation solutions have been serving the industry since 2011. Optimised for hot and humid conditions at its ultra modern & fully automated production facility, 'Brij Encapsulants' offer lower failure rates, better performance and slower degradation during module lifetime, providing better overall return on investments. With separate quality assurance team performing regular in-line quality checks, Brij assures that your modules will last not for 25 years but for a lifetime.

Minimise your risks, save on costs and stay protected. Stay 'Brij Protected'.



 Compatibility with wide range of cells, backsheets and fluxes





50,000+ hours of real environmental (testing & 200 MW+ of module laminations





Backed by over 30 years of EVA processing experience

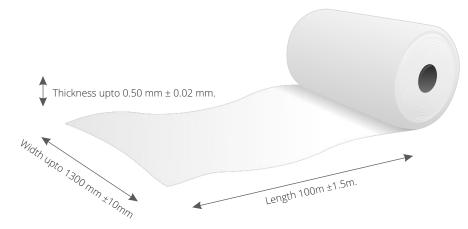


Strong adhesion and +80% crosslinking under 📿 normal laminating conditions

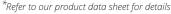
Solar EVA Encapsulants

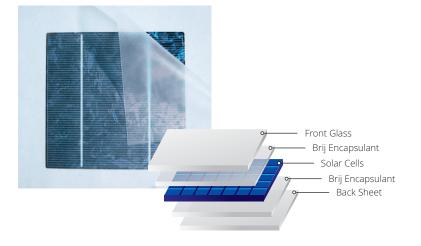
A solar module though looks simple, is a combination of highly engineered materials working in tandem to harness energy. One such component is the Ethylene Vinyl Acetate (EVA) encapsulant. This transparent layer of plastomer forms a protective layer over and under the solar cells preventing water, dirt and other external impurities from contaminating the cells and at the same time ensures optical transmissivity and electrical isolation. These encapsulants ensure that the module can be used outdoors for over 25 years without significant degradation.

Product Characteristics & Specifications



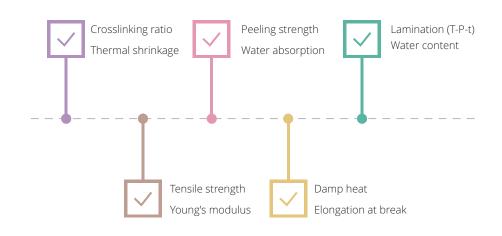
ltem	Unit	Brij Advantage
Melt Index	g/10 mins	30
Softening Point	°C	58
Density	g/cm³	0.96
Appearance	-	Smooth surface with special knurling for better air exhaustion. Uniform thickness, no discoloration and non-stick at room temperature
Transparence (after curing)	%	≥ 92
UV - Cutoff Wave length	Nm	360
Crosslinking ratio	%	≥ 80
Peeling Strength	N/cm from glass	≥ 75
	N/cm from backsheet	≥ 48
Shrinkage Rate	%	≤ 2
Tensile Strength	MPa	≥ 21.5
Elongation at Break	%	≥ 518
Water Absorption	%	≤ 0.04
Dielectric strength	KV/mm	25
Resistance to temperature, moisture and cold	-	No bubble, no cracking, peeling or discoloration. No expansion with heat or contraction with cold. Power loss<5%, and sheet Δ YI \leq 2





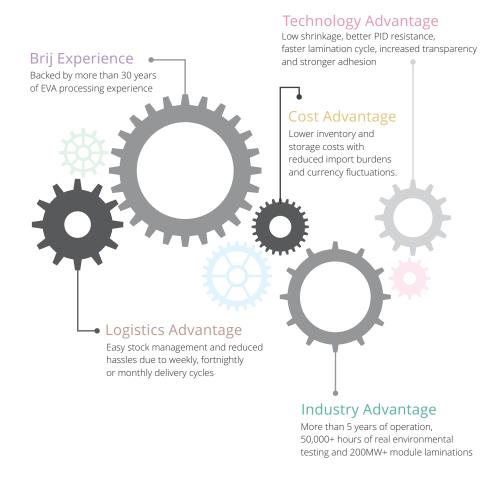
Research, Development & Quality Assurance

Since its inception in 2011, Brij has been a leading manufacturer of solar EVA encapsulants In India. Brij invests in R&D to ensure continual improvement of its products through better formulations and to ensure price competitiveness through manufacturing process optimisations.



The quality assurance division at Brij certifies each batch for conformity to required ISO, ASTM and IEC standards through rigorous testing at Brij's internal test laboratory.

The Brij Advantage



Brij Whitepapers



Encapsulants: Cost vs. Reliability

Big/ Virpi Acosto (EVA) shorts or solar EVA catagonizets are one of the most imposing components of the solar module and are responsible for its terg-term reliability and parformance.

Soler modules generally use share CD14m² to (D16m² of EVA per Wo of module cognicity. At current EVA prices, this relates to about 4% share its final modules prices. However, global numbers sugged that enoughouts are use or dis modules torquession for solar module and are seposible for more than 50% of module long-term performance and ratiobility.



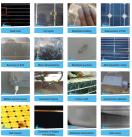
Sering rame movey and beying cherp, low quelty conceptions might with subconstrained and the sentence of the series of the series of the series of the molder induling finite degradation, yellowing and detarihandam. With over 600,000 hashestions, 35,000 + kerns of their and sentences between 24+ years of PVA proceeding sequences, Beh as an expension that the splication for failure has and handle

So and that you buy EVA computants, accomber to test & use Belj EVA.

Switch, today and experience the 'Belj Advantage'

Field issues in crystalline solar PV Modules

In a key tator in relacing the casts of protocolars, spanne or to increase the neuronal part to neuronal lattere of the Neuronal Sofar and advantages barts hereincare as a neuronal stress of the Neuronal Sofar and advantages barts hereincare as some and sense of the Neuronal Sofar and Sofar Sofar and So



Afth over 25 years of EVA processing experience and constant interactions with research organisations around the world, the R&D team at Brij, analysis any such issues and ensures that everysquare meter of Brij EVA, encapsulates solar modules not for 25 years but for a lifetime.



Use to the relative single respective dominance or account of two stresses than relative parts along the product of the parts in the parts and the parts and

The lower processing chamber of the laminator is executed to ensure that air and avoid bubble formation. The time of applying a vacuum as well as the rate of execution can be varied to optimise the process and hence the and event. Reaching the pressure too avely or at a high nate will result in significant outgraving of the additives in the EVM is adversion prometers and/or stabilisers, and hence in a decreased quality of the PV modules, whereas advine the transmission to the will bead an indusion and there is an decreased quality of the PV modules, whereas advine the vacuum to take will bead an indusion and there is unaverted bubble formation.



Sales Partner



Brij Encapsulants (India)

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Delhi | Gujarat | Telangana | MP | Haryana | UP (A Unit of Brij Footcare Pvt. Ltd.)

