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We use DSC, FTIR, and Soxhlet extraction (gel content) to characterize the encapsulants" changing molecular structure. This allows for determination of the photochemical degradation ...

Crosslinking strategy, which promotes the device stability via immobilizing the morphology of the active layer. This strategy has been frequently used in fullerene acceptors ...

In a new project, Fraunhofer Center for Silicon Photovoltaics CSP and its partners are investigating the ideal degree of cross-linking for ...

In a new project, Fraunhofer Center for Silicon Photovoltaics CSP and its partners are investigating the ideal degree of cross-linking for module reliability in order to increase the ...

Here, authors propose a multi-functional asynchronous cross-linking strategy and achieve high-performance and stable devices with mere 0.30 voltage deficit.

Dye-sensitized solar cells (DSSCs) have become a validated and economically credible competitor to the traditional solid-state junction ...

To optimize solar photovoltaic (PV) systems, it"s vital to address DC cross-linking, a common issue when PV panel strings are interconnected. This ...

These crosslinking reactions are low-temperature curable and offers excellent film properties than the conventional two-pack (2K) cross ...

In cross-linking based on a polymer reaction, the concentration of the reaction system is important, and the reaction under low concentration often results in insufficient ...

That"s why top-tier solar cable manufacturers use electron beam cross-linking or advanced chemical cross-linking to give their products long-term reliability.

Recently, the cross-linking strategies involving cross-linkable organic molecules have come to the fore due to their great potential in synchronously enhancing the intrinsic, processing, thermal, ...

Researchers from The Hong Kong Polytechnic University, Beijing Institute of Technology, and UCLA have developed a new asynchronous cross-linking strategy to ...

Discover why cross-linking and irradiation are critical for PV cable. Learn how these processes enhance UV resistance & temperature tolerance.

E-beam crosslinked solar cables offer numerous benefits for use in solar power systems. These cables are more resistant to temperature extremes, UV radiation, and chemical degradation, ...

Degree of cross-linking Test System is used to test materials such as EVA cross-linking, polyethylene (PE cross-linking,polyethylene insulated wire and cable (XLPE) cross ...

Provides encapsulant for solar cell used in solar power generation system with system voltage of 600V or more. And a crosslinking assistant comprising a crosslinking assistant and a ...

Take a look inside our solar cable manufacturing facility -- built for high-efficiency, high-reliability production of PV cables. ? 6 fully automated production lines for solar cable ...

To optimize solar photovoltaic (PV) systems, it"s vital to address DC cross-linking, a common issue when PV panel strings are interconnected. This phenomenon can cause power loss, ...

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