Polythiols bonding of photovoltaic panels

The operational stability of perovskite solar cells remains a challenge. Zhang et al. incorporate photoswitchable isomers at grain boundaries to improve their resilience and the stability ...

In this review, an overview of the synthesis methods of polythiols and their industrial applications is provided, as highly versatile thiol chemistry allows various functionalization strategies, ...

Silicon-based cells need special conductive bonding materials to lower resistance and boost performance. The table below shows how different materials affect the efficiency of silicon ...

Meyer Burger has developed a low-temperature wire-bonding technology, known as SmartWire Connection Technology (SWCT), with the aim of offering a cost-effective solution for high-efficiency...

Therefore, to achieve strong bonding between them, we designed a new organic additive that can promote the adhesion of the POE encapsulant to ...

Thiols can react with readily available organic substrates under benign conditions, making them suitable for use in chemical, biological, physical, ...

This manual is intended to provide guidance on sealant choice and proper application procedures for DuPontTM FortasunTM, formerly Dow Corning® brand, sealants for photovoltaic (PV) framing and ...

The PV modules made with cross-linkable encapsulants usually need a high level (anything above 70-80%) of the "degree of crosslinking" to function properly over a long period of ...