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Title: The relationship between PVA and solar glass

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We will show that, in general, bare solar glass has the largest adhesive forces, with a strong influence of RH. In contrast, some coatings result in much lower adhesion forces and little ...

The first thermochemical transition (glass transition) of PVA film, as for the raw powder, overlaps with mass loss from multiple origins. Evidence for ...

The preparation method involves mixing and solution casting processes with the addition of citric acid as the green cross-linker, followed by heat treatment. As a result, the swollen PVA/CD ...

In this paper, we investigate the $\text{WO}_3\text{-x/PVA}$ composite films as smart photochromic coatings on glass substrate by two methods: solvent casting (SC) and dip-coating (DC). The two methods were ...

Polyvinyl alcohol (PVA) composites filled with waste glass powder are prepared. The studied properties are affected by the added glass waste powder.

Polyvinyl alcohol (PVA) is a water-soluble polymer that is anticipated to be a good candidate for incorporation into multilayer coatings of organic solar cells due to its high transparency and ability to ...

It was due to two interactions: one was the hydrogen bonding formed from the hydroxyl groups of PVA molecular chain, and the other was the new hydrogen bonding interactions formed ...

In this paper, we investigate the $\text{WO}_3\text{-x/PVA}$ composite films as smart photochromic coatings on glass substrate by two methods: solvent casting (SC) and dip-coating (DC). The two methods were ...

With the mandate of worldwide carbon neutralization, pursuing comfortable living environment while consuming less energy is an enticing and unavoidable choice. Novel composite aerogels with super ...



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