

Solar container water cooling plate polyurethane foam

Herein, inspired by water chestnut, a self-floating bi-layer foam consisting of a photo-thermal polypyrrole (PPy) coating and a lightweight polyurethane-carbon nanotube (PU/CNTs) foam ...

Here, we used dititanium trioxide (Ti_2O_3) ball-milled particles as a photothermal conversion agent, polyacrylamide (PAM) as a seawater pump, and polyurethane (PU) foam as heat ...

In this study, a self-generating zwitterionic polyurethane foam (ZPF) is fabricated by grafting a silylated hydrolysis-induced zwitterionic telomer (Si-HIZ), further spraying TiN/PDMS on the top as a solar ...

Biomass-modified polyurethane (PU) foam materials are vital to promote the sustainable development, but the balance between their mechanical strength and thermal insulating ...

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According to [3], the common insulation materials for solar collectors are polystyrene, polyurethane foam, phenolic foam, cellular foam, mineral wool, etc. Considering the costs, humidity resistance, and ...



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