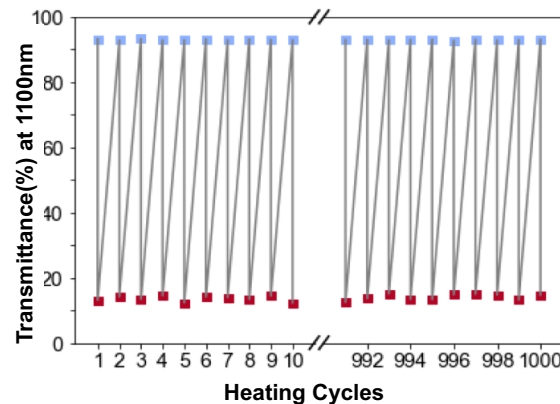
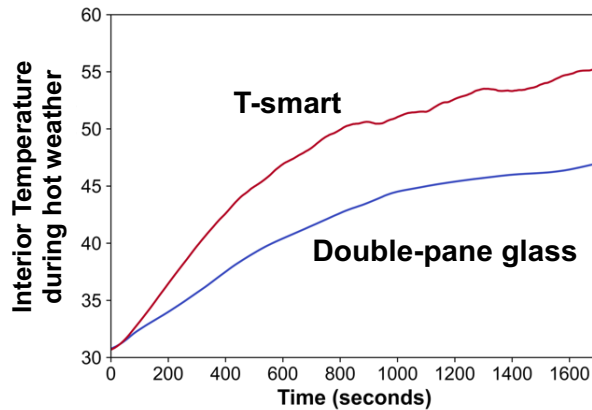


# T-smart Window Film to Dynamically Lower SHGC at Near Zero Cost



T-smart is normally clear

SHGC is lowered in hot weathers



Preliminary data shows T-smart film is more efficient than existing window in lowering SHGC at a fraction of the cost

High operational stability and environmental durability

## Characteristics:

- T-smart is a thermally triggered smart window film to dynamically mitigate solar heat gain when it is needed.
- When temperature exceeds user comfortable level, T-smart automatically turns translucent to block the solar radiation heat.
- T-smart is manufactured using existing roll-to-roll plastic film production line at exceptionally low cost.
- T-smart is applied to existing window like wallpaper, or in new window as coating or insertion. No electrical wiring is needed. DIY installation is encouraged.
- It reduces solar heat gain without consuming any electricity.
- Socioeconomically disadvantaged community will have an affordable solution to improve thermal comfort and mitigate the climate change.

## Technology:

- Invented and patented by UCLA.
- T-smart team invented it and will take it to production.