

# High transmittance in visible and Near-infrared Absorbing dispersion

## Characteristics

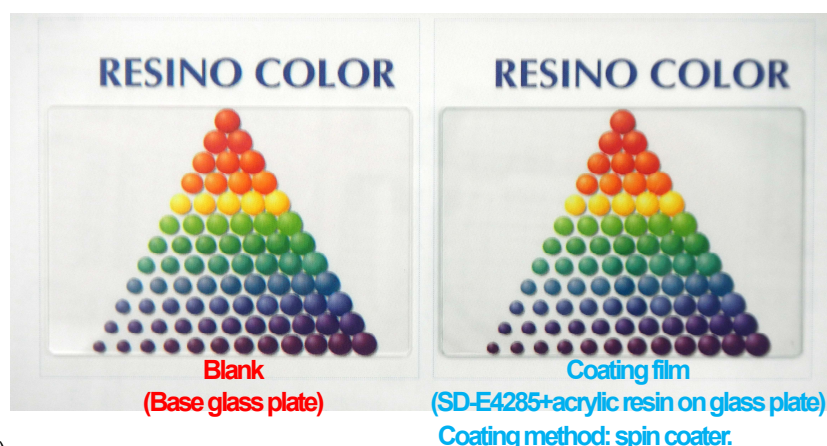
- ① This dispersion shields Solar heat-rays efficiently. ; Therefore, it is available for a heat insulating film.
- ② Furthermore, it maintains high visible light transmittance and low haze. ; Therefore, it is suitable for automotive glass.
- ③ High mixing ability enables ITO to dispersed in various solvent.
- ④ Excellent temporal stability enables long-term storage.

## Product properties

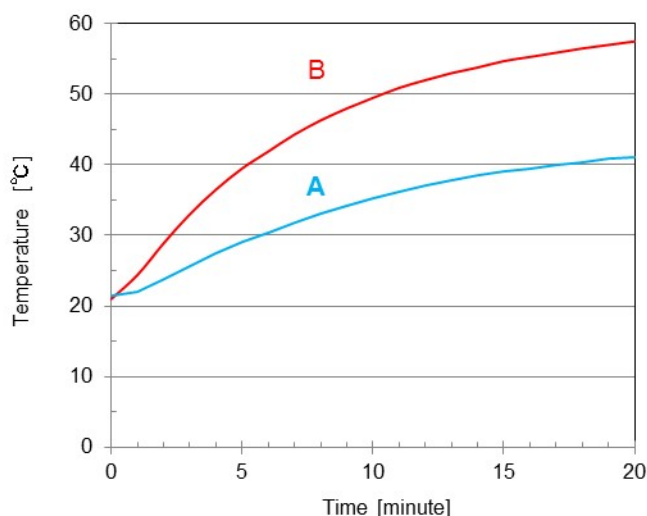
Product name	SD-E4285
Solvent	PMA
ITO concentration of dispersion (%)	25
Visible light transmittance (%)	82.8 (PET film (Blank):87.3)
Solar transmittance (%)	61.2 (PET film (Blank): 87.5)
Haze (%)	0.0

VLT, ST is a value of PET film (Blank) and PET film (Coating)  
 Haze is a value minus PET film Haze(4.5)  
 (Coating ; SD-E4285+acrylic resin. ITO concentration is 50%)  
 Thickness: PET film; 100μm Coating ; 3μm

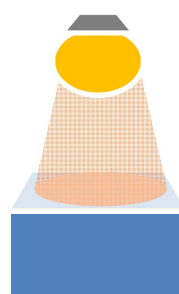
## Comparison images of transparency



## Comparison of heat shielding effect by the measurement box temperature



### Temperature measuring method



Lamp

Sample:

A PET film (Coating)

B PET film (Blank)

Measurement box

- ① Installed a Sample ( A or B ) between lamp and measurement box.
- ② Turn on a lamp and measure box temperature.

### 【Remarks】

Data on this page can not be used for specification purposes.  
 Please evaluate the sufficient performance of the sample under the conditions of use.

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