



OPTO-PRECISION PTE LTD

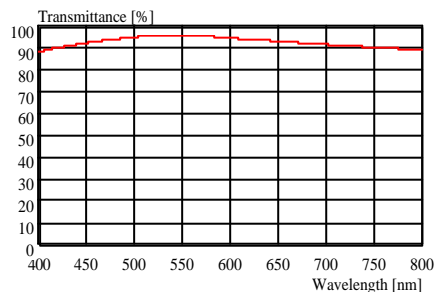
ITO Coatings

Indium oxide doped with tin oxide, ITO, is used to make transparent conductive coatings.

Applications

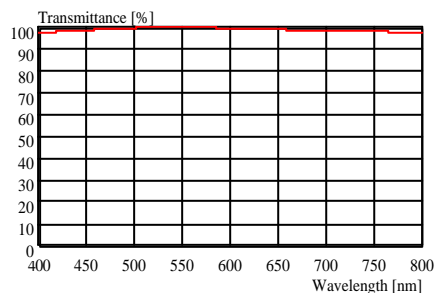
- Optoelectronic devices / displays (LCD, Organic LED, and many other applications)
- Energy conserving windows
- Defogging automobile and aircraft windows
- Antistatic window coatings
- As wear resistance coating layers on glass
- As heat reflecting coating layers in light bulb

Examples of our ITO coatings



ITO Coating in Air

This ITO coating ensures average transmittance $T_{ave} = 90\%$ at 400nm to 700nm with the resistivity of 120 ohms per square. Higher or lower resistivity is also available.



ITO Coating Matched to the Index of 1.52

This index matched ITO coating ensures very high average transmittance $T_{ave} = 97\%$ at 425nm to 700nm with the resistivity of 140 ohms per square. Higher or lower resistivity and different matching indices are also available.

We have the capability to do the ITO coatings and index matched ITO coatings according to our customers' specifications / requirements.