
Polaroids in optics

- Sheet producing intense beam of plane polarised light

Property on which polaroids are based

Selective absorption

Person developing polariser

Edwin Land

Year of development of polariser

1932

Compound used to create polarizer by Edwin Land

Quinine iodosulphate

Dichroism in optics

Presentation of different colors on viewing from different directions

Shape of crystals of quinine iodosulphate

- Needle

List of activities for making a polaroid from quinine iodosulphate

- Squeeze quinine iodo sulphate in slit
- Arrange slit in two thin glass plates

Compound used in H polaroid

- Poly vinyl alcohol
- Iodine

Compound used in K Polaroids

- Poly vinyl alcohol
- Dehydrating agent

List of uses of polaroid

- Sunglasses
- Camera filter
- Wind screens
- Photoelasticity
- 3D movies
- LCD Displays

Role of polaroids in sun glasses

Reduce glare