

MANUFACTURERS OF OPTOLITE CONTRAST ENHANCEMENT FILTERS  
SHIELDED WINDOWS – INSTRUMENT GLASSES  
POLARISING FILTERS

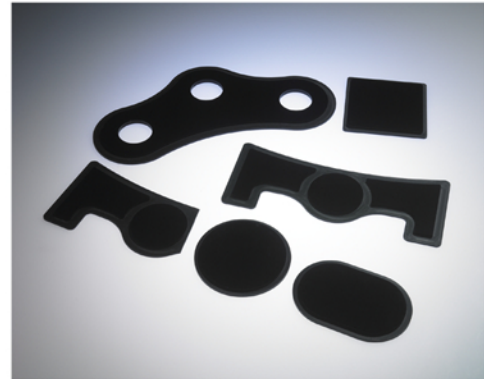
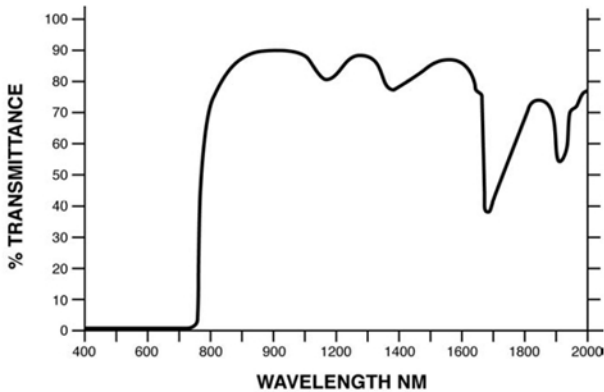
## Optolite™ IR. Infra Red Filters

Optolite IR (infra red) broad band acrylic filters have been specially formulated to transmit infra red radiation at wavelengths greater than approximately 750nm and are thereby virtually opaque to visible light.

Optolite IR (infra red) is eminently suitable for use in photometric systems which are triggered by near infra red signals but which must operate in environments with high levels of visible radiation. Optolite IR (infra red) eliminates the visible spectrum and so improves the effectiveness of the system by increasing the signal-to-noise ratio.

Specific applications include remote controls, security systems, presence sensing devices, proximity sensors and scanners.

## Optolite IR Transmission Characteristics



### Features include:

- Excellent Transmittance up to a maximum of approximately 90% in the infra red region from 850nm – 2000nm, 50% transmission at 780nm and effectively 0% below 740nm in the visible spectrum.
- Cast-in Non-Glare Finish available as an option to cut down any unwanted front surface reflections.
- Filters supplied to Customer Drawings in standard thicknesses of 0.5, 1.0, 1.5, 2.0, 3.0mm. Other, non-standard thicknesses and tight tolerances can be supplied to order.



Instrument Plastics Limited has a policy of continual improvement of products and so reserves the right to change the product specification without notice.



For further information contact Tim Butterly or Rad Fismistr.  
Tim@instrumentplastics.co.uk, Rad@instrumentplastics.co.uk or Sales@instrumentplastics.co.uk

TEL: +44 (0) 1628 770018 FAX: +44 (0) 1628 773299