

Pelnox®

Product Name	XS-2245M, XS-2285-1, XS-2283, XS-2201
Product Category	Resin for LED
Usage	LED
Function	Visible Light Cut Dye

1. Characteristics

The dye removes (absorbs) the light in visible region, and allows the light in infrared region to pass. The dye paste can be easily mixed with epoxy resin for LED and infrared detector. There are 4 grades which have different wavelength range to absorb the light.

Product Name	XS-2245M	XS-2285-1	XS-2283	XS-2201
Cut Wavelength(nm)	840	760	730	700
Infrared region transmittance (%)	90	90	80~90	80~90
Usage	photodetector, IrDA, interrupter and other infrared elements of 940nm, 880nm		photodetector, IrDA, interrupter and other infrared elements of 880nm, 850nm	

2. How to use

- * Add necessary quantity of visible light cut dye paste into resin for LED, and mix with hardener well.
- * The necessary quantity of cut dye is varied with the type of LED and detectors. The addition amount makes change the transmittance of infrared region and absorption of visible light. Decide the proper mixing ratio of cut dye by preliminary test by reference to the attached transmittance chart by mixing ratio.

attached : Transmittance chart of XS-2245M, XS-2285-1, XS-2283, XS-2201



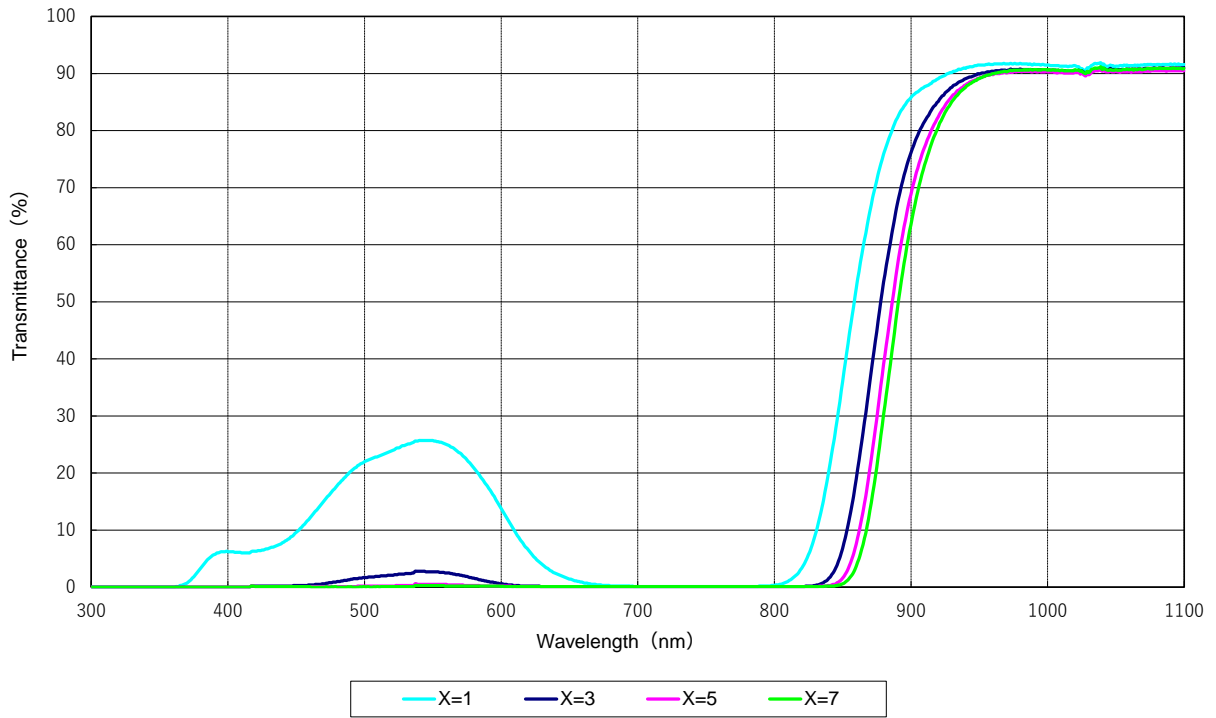
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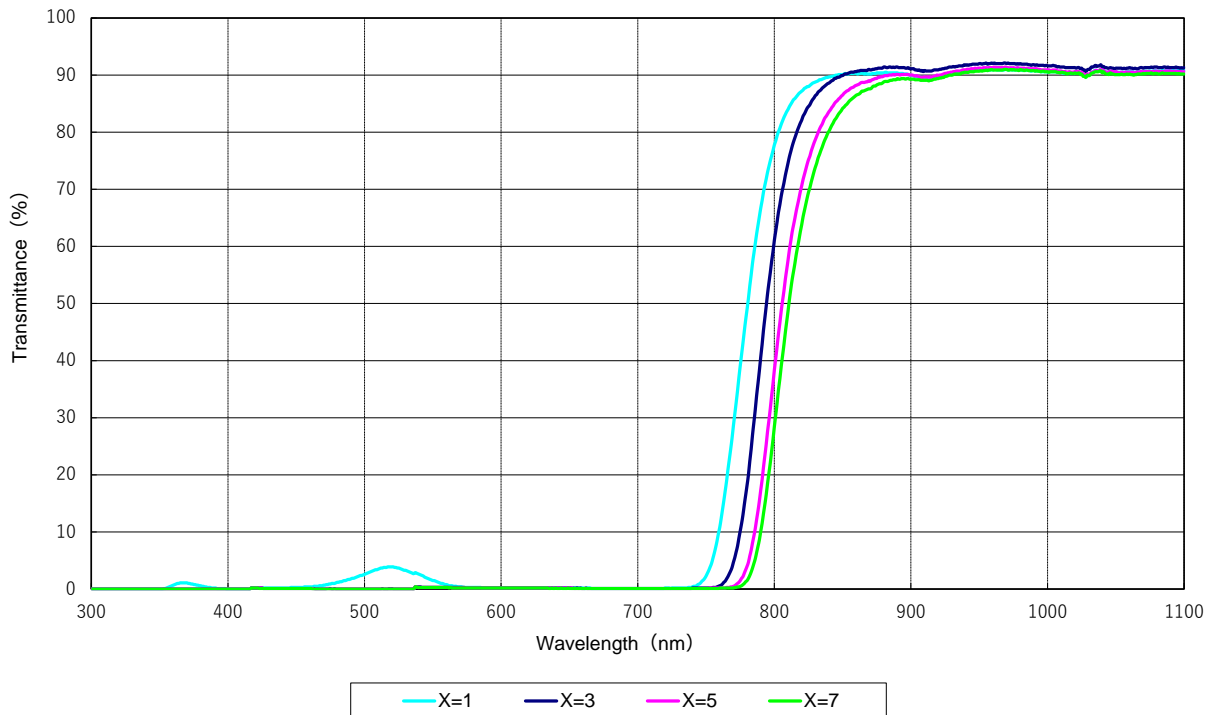
Transmittance of ME-514 with XS-2245M

Mixing ratio:ME-514/HV-514/XS-2245M=100/110/ X Curing conditions:110°C-3hr+135°C-8hr Thickness:2mm



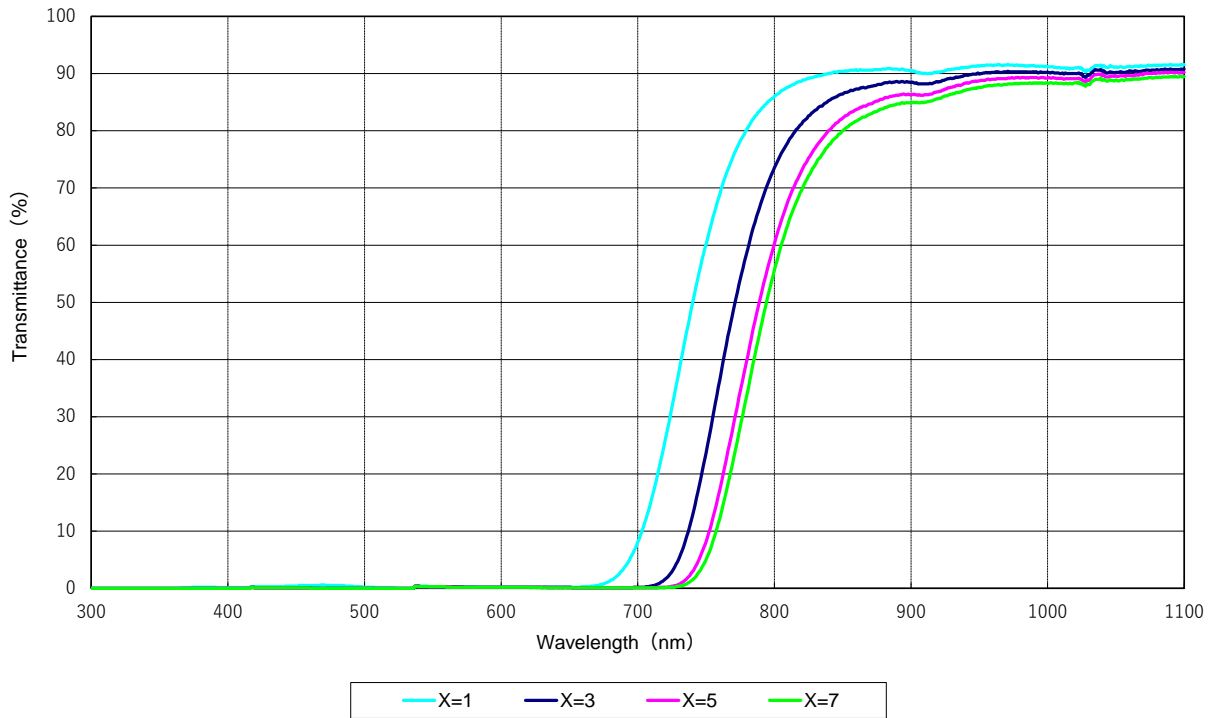
Transmittance of ME-514 with XS-2285-1

Mixing ratio:ME-514/HV-514/XS-2285-1=100/110/ X Curing conditions:110°C-3hr+135°C-8hr Thickness:2mm



Transmittance of ME-514 with XS-2283

Mixing ratio:ME-514/HV-514/XS-2283=100/110/ X Curing conditions:110°C-3hr+135°C-8hr Thickness:2mm



Transmittance of ME-514 with XS-2201

Mixing ratio:ME-514/HV-514/XS-2201=100/110/ X Curing conditions:110°C-3hr+135°C-8hr Thickness:2mm

