

UV & Visible Light Safety Glasses

IDH 717763

PRODUCT DESCRIPTION

The Loctite® Safety Glasses for UV and Visible Light, is a polycarbonate, yellow-tinted lens designed to absorb specific wavelengths of radiant energy into the lens to protect the user from harmful ultraviolet and visible light energy. While the primary need for eye protection is often impact hazards, many work applications also include radiation hazards including ultraviolet, infrared, and visible light glare. The Safety Glasses for UV and Visible light fully comply with CE certification standards.

Product Features

- Absorbs >99.9% of potentially harmful UVA and UVB radiation.
- Provides protection by completely absorbing visible light up to 440nm
- The user's contrast is improved and the eye finds it easier to see detail.
- The orange lens color filters out Visible light in the violet and blue areas of the spectrum.

Technical Data

- Color: Yellow
- UV Absorption: > 99.9%
- Meets EN 166-3 (included EN 172) specifications
- Lens material: polycarbonate

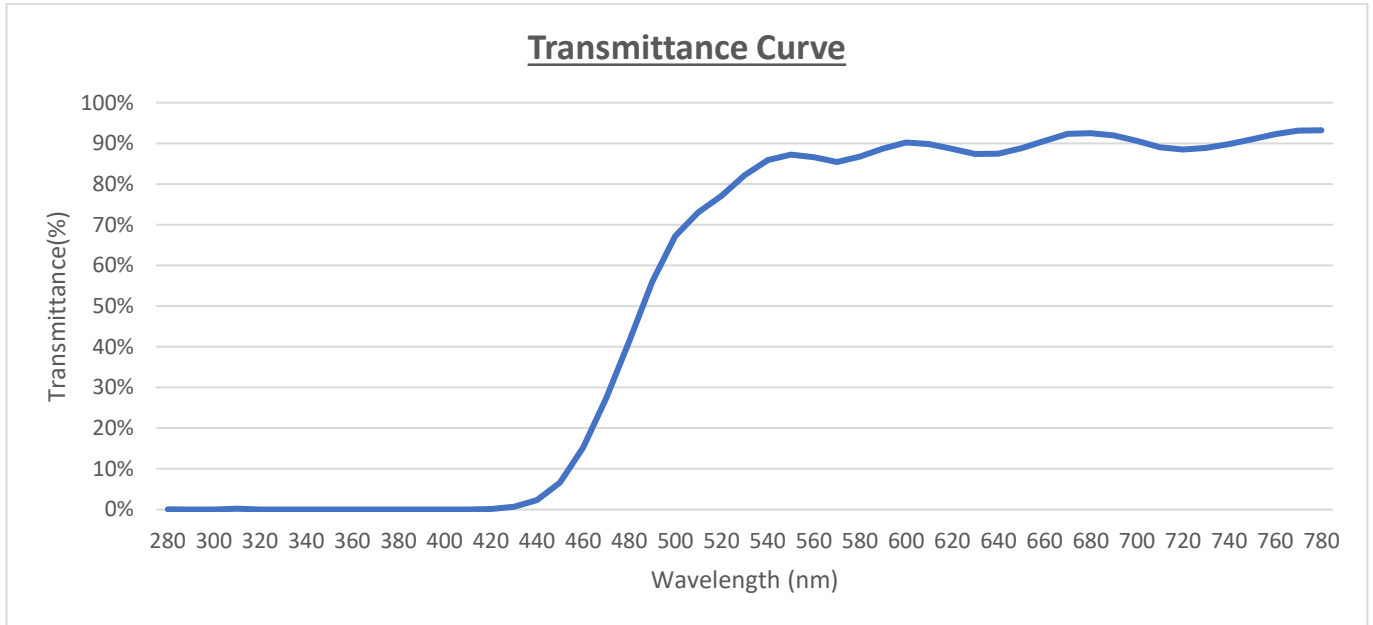


Transmittance test for CE verification (Ambient temperature: 21.3° C)

Sample No.		Ultraviolet spectral range			Visible spectral range	Enhanced infrared absorption	Assessment
		Spectral transmittance		Mean value of spectral transmittance	Luminous transmittance	Maximum value of Solar infrared transmittance	
		280nm to 315nm	315nm to 350nm	315nm to 380nm	380nm to 780nm	780nm to 2000nm	
1	Left	0.06%	0.03%	0.00%	86.76%	/	Pass
	Right	0.08%	0.06%	0.02%	86.71%	/	Pass
2	Left	0.07%	0.05%	0.00%	86.67%	/	Pass
	Right	0.06%	0.06%	0.02%	86.46%	/	Pass
3	Left	0.07%	0.06%	0.00%	86.55%	/	Pass
	Right	0.05%	0.06%	0.00%	86.95%	/	Pass

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Resistance to ultraviolet radiation test for CE verification (Ambient temperature: 22.7° C)

Sample No.		Relative change of Luminous transmittance (%)	Reduced luminance factor ($\frac{cd}{m^2 \cdot lx}$)	Assessment
4	Left	-0.6	0.15	Pass
	Right	-0.8	0.16	Pass
5	Left	-1.1	0.18	Pass
	Right	-0.9	0.14	Pass
6	Left	-0.3	0.17	Pass
	Right	0.2	0.14	Pass

Note
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