

PRODUCT DATASHEET

WeeTect Welding Lens Cover (WWLC)



WeeTect welding lens cover (WWLC) is a welding helmet lens cover which cut from optical class polycarbonate sheet. Compare with other welding helmet replacement lens, WeeTect welding lens cover (WWLC) has more visibility, smooth edge and competitive price.

The quality control points of the clear welding lens are polycarbonate sheet itself, processing selection, deburr technology and packaging. Most of other clear welding lenses manufacturers will use poor quality polycarbonate sheets and punching process which are easy to cause spots and scratch on the surface. WeeTect welding lens cover (WWLC) uses optical class polycarbonate sheet from our sister company with very competitive cost. And we use CNC machine cut to size to secure the good surface and smooth edge.

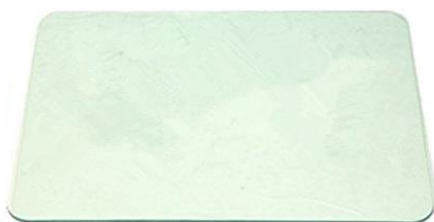
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WeeTect Welding Lens Cover (WWLC) is a perfect candidate for all kinds of welding helmet manufacturers, brands and distributors. The sustainable performance could prolong the longevity and protect users consistently.

Advantages:

- Better visibility
- Smoother edge
- Clearer surface with mask protection
- More competitive price
- More flexible size options
- Special surface treatment as options



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- WeeTect Welding Lens Cover (WWLC) Standard Sizes:

Thickness (mm/")	Width (mm)	Length (mm)	Remark
1.2mm/0.05" 1mm/0.04" 0.8mm/0.03" 0.5mm/0.02" 0.25mm/0.01"	101.6mm/4"	116.84mm/4.6"	Optical Grade
	71.12mm/2.8"	144.78mm/5.7"	Optical Grade
	66.04mm/2.6"	96.52mm/3.8"	Optical Grade
	96.52mm/3.8"	134.62mm/5.3"	Optical Grade
	88.9mm/3.5"	114.3mm/4.5"	Optical Grade
	134.62mm/5.3"	203.2mm/8"	Optical Grade
	39.624mm/1.56"	95.25mm/3.75"	Optical Grade
	54.8mm/2.15"	107.9mm/4.25"	Optical Grade
	94mm/3.7"	114.5mm/4.5"	Optical Grade
	92.5mm/3.6"	110.5mm/4.35"	Optical Grade
	96mm/3.8"	117mm/4.6"	Optical Grade
	121mm/4.8"	137.5mm/5.4"	Optical Grade
	45.4mm/1.8"	99.3mm/3.9"	Optical Grade
	39.3mm/1.55"	96.7mm/3.8"	Optical Grade
	55.8mm/2.2"	99.7mm/3.9"	Optical Grade
	64.7mm/2.55"	99.7mm/3.9"	Optical Grade

- WeeTect could custom the thicknesses and sizes of welding lens cover based on your requirement.

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- WeeTect Welding Lens Cover (WWLC) Technical Data:

Item	Property	Test Method	U/M	Value
Optical	Diopter	ECE 22.05	D	<0.125
	Haze	ASTM D 1003	%	0.37
	Fog Free time	ECE22.05/ECE324	s	>22
	Fog Free time	Freezing Test	s	no fogging
Mechanical	Hardness 1KG	ANSI Z87.1 2010	H	1
	High velocity impact	ANSI Z87.1 2010	ft/s	>300
	Cross-Cut tape test	ANSI Z87.1 2010	NA	Pass
	Elongation, yield % 7	ANSI Z87.1 2010	%	7
	Elongation, break ISO 527 % 110	ANSI Z87.1 2010	%	110
	Tensile stress, yield	ANSI Z87.1 2010	Mpa	60
	Tensile modulus MPa	ANSI Z87.1 2010	Mpa	2300
	Flexural strength, yield	ANSI Z87.1 2010	Mpa	100
	Flexural modulus ISO 178 MPa 2500	ANSI Z87.1 2010	Mpa	2500
	Izod notched impact, 20 °C	ANSI Z87.1 2010	KJ/m ²	65
Physical	Gravity	ANSI Z87.1 2010	g/cm ³	1.2
	Water absorption, 24 hours	ANSI Z87.1 2010	%	0.15
Thermal	Mold shrinkage	ANSI Z87.1 2010	%	0.5-0.7
	Thermal expansion	ANSI Z87.1 2010	1/ °C	7x10 ⁻⁵
	Vicat Softening Temp., Rate B / 120(base sheet)	ANSI Z87.1 2010	°C	150
	HDT, 0.45 MPa	ANSI Z87.1 2010	°C	138