

## PRODUCT DATASHEET

# WeeTect UV Window Film (WUVWF)

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WeeTect UV Window Film (WUVWF) also names UV blocking window film which is a Nano coated PET film featuring both Ultraviolet (UV) and Infrared (IR) protection screens on the outer layer and an adhesive on the inner layer. It is a specially designed film for laser cutting machine windows and other equipment which need UV blocking and IR blocking film. WeeTect also offers the total solution of UV and IR blocking window with high impact resistant polycarbonate sheet together.

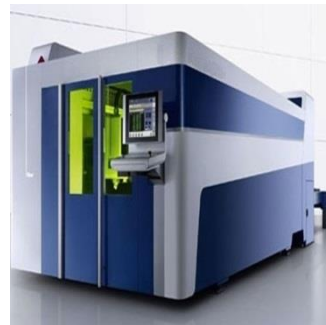
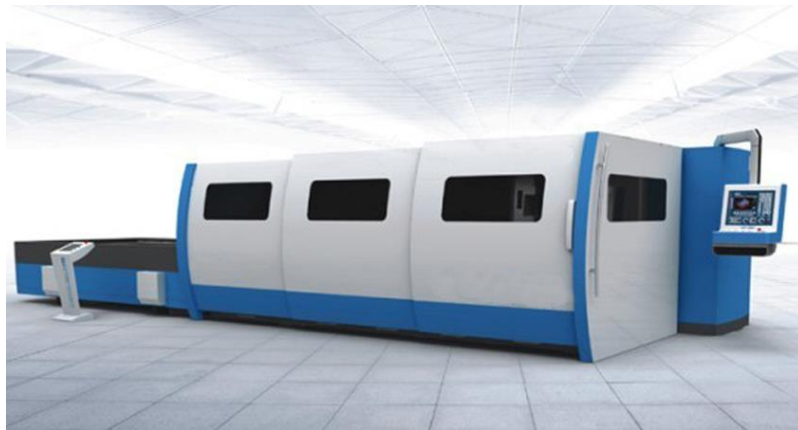
WeeTect UV Window Film (WUVWF) offers excellent UV/IR resistant and abrasion resistant properties as well as optical clarity, impact resistance, and dimensional stability. Compare with other UV window film suppliers,

WeeTect UV Window Film (WUVWF) performs better UV/IR and abrasion resistance in blocking laser rays to

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workers' eyes. A perfect match for all laser cutting machine windows, the UV window film sustainable performance lasts long in order to protect users consistently.



### WeeTect UV Window Film (WUVWF) Options:

Model	VLT (%)	IR Blocking Rate (%)	UV Blocking Rate (%)	Color
WIF001	70%	90%	99%	Light Blue
WIF002	70%	95%	99%	Light Blue
WIF003	70%	99%	99%	Light Blue
WIF004	35%	99%	99%	Dark
WIF005	15%	95%	99%	Dark
WIF006	80%	99%	99%	Grey
WIF007	70%	99%	99%	Grey
WIF008	60%	99%	99%	Grey
WIF009	50%	99%	99%	Dark
WIF010	40%	99%	99%	Dark
WIF011	30%	99%	99%	Dark
WIF012	20%	99%	99%	Dark
WIF013	10%	99%	99%	Dark
WIF014	5%	99%	99%	Dark

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## WeeTect UV Window Film (WUVWF)

### WeeTect UV Window Film (WUVWF) Technical Data

Item	Property	Test Method	U/M	Value
Optical	Light transmission 1mm	ASTM D 1003	%	>70
	Haze	ASTM D 1003	%	0.37
	IR Resistant Rate		%	>= 99
	UV Resistant Rate		%	>=99
Mechanical	Hardness 1KG	ISO 178	H	4
	High velocity impact	ANSI Z87.1 2010	ft/s	>300
	Cross-Cut tape test	ASTM D 1000	NA	Pass
	Elongation, yield % 7	ISO 527	%	7
	Elongation, break ISO 527 % 110	ISO 527	%	110
	Tensile stress, yield	ISO 527	Mpa	60
	Tensile modulus MPa	ISO 527	Mpa	2300
	Flexural strength, yield	ISO 178	Mpa	100
	Flexural modulus ISO 178 MPa 2500	ISO 178	Mpa	2500
	Izod notched impact, 20 °C	ISO 180-1A	KJ/m <sup>2</sup>	65
Physical	Gravity	ISO 1183	g/cm <sup>3</sup>	1.2
	Water absorption, 24 hours	ISO 62	%	0.15
Thermal	Mold shrinkage	ISO527	%	0.5-0.7
	Thermal expansion	ASTM D696	1/ °C	7x10-5
	Vicat Softening Temp., Rate B / 120(base sheet)	ISO 306	°C	150
	HDT, 0.45 MPa	ISO 75/Be	°C	138