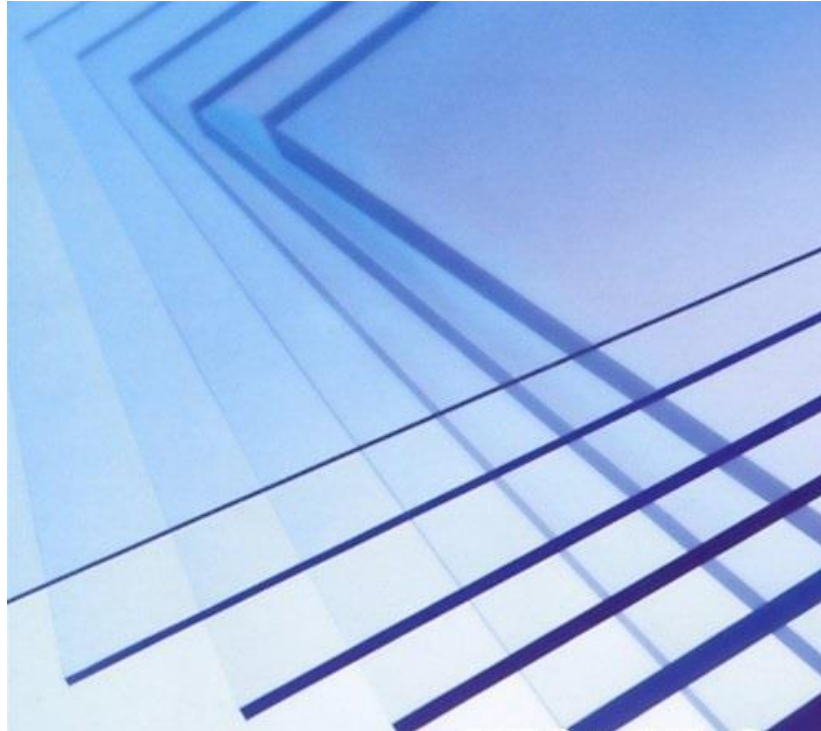


PRODUCT DATASHEET

WeeTect UV Resistant Polycarbonate Sheets (WUVRPS)



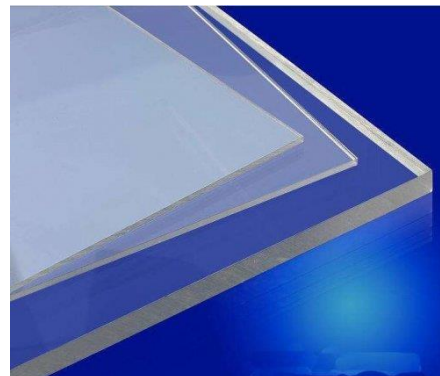
WeeTect UV Resistant Polycarbonate Sheets (WUVRPS) is a co-extruded optical clear UV380 or UV400 resistant polycarbonate sheet or polycarbonate film. It has extremely good high transparency and impact resistance.

WeeTect UV Resistant Polycarbonate Sheets (WUVRPS) can be applied to flat or thermoformed aircraft window dust covers, motorcycle windshield, specialty vehicle glazing, outdoor signs and signage, helmet visors and more.

As a professional plastic coating manufacturer, WeeTect UV Resistant Polycarbonate Sheets (WUVRPS) could offer superior coated layer for anti-fog, anti-scratch, abrasion resistance but keep the optical clarity. Compared with the other UV resistant polycarbonate sheet suppliers, WeeTect UV Resistant Polycarbonate Sheets (WUVRPS) not only offers very competitive price but also sustainable quality and one stop solution including surface treatment, thermoforming, cut to size and other fabrication services.

PRODUCT DATASHEET

WeeTect UV Resistant Polycarbonate Sheets (WUVRPS)



Advantages:

- UV380, UV400 protection
- One stop solution provider
- Superior optical visibility
- Superior impact resistance
- Abrasion resistant as an option
- Anti-fog Anti-scratch as an option
- Much more cost competitive

PRODUCT DATASHEET

WeeTect UV Resistant Polycarbonate Sheets (WUVRPS)

WeeTect UV Resistant Polycarbonate Sheets (WUVRPS) Options:

UV Resistant Polycarbonate Film

Thickness (mm)	Width (mm)	Length (mm)	Remark
0.125	930	400,000	Optical Grade
0.175	930	350,000	Optical Grade
0.2	930	325,000	Optical Grade
0.25	930	300,000	Optical Grade
0.3	930	250,000	Optical Grade
0.375	930	200,000	Optical Grade
0.5	930	150,000	Optical Grade

UV Resistant Polycarbonate Sheet

Thickness (mm)	Width (mm)	Length (mm)	Remark
0.3	915	1,830	Optical Grade
0.4	915	1,830	Optical Grade
0.5	915	1,830	Optical Grade
0.7	915	1,830	Optical Grade
0.8	915	1,830	Optical Grade
1.0	915	1,830	Optical Grade
1.5	915	1,830	Optical Grade
2.0	915	1,830	Optical Grade
2.5	915	1,830	Optical Grade
3.0	915	1,830	Optical Grade
4.0	915	1,830	Optical Grade

- WeeTect can customize dimensions based on your requirement for UV resistant polycarbonate sheet.

PRODUCT DATASHEET

WeeTect UV Resistant Polycarbonate Sheets (WUVRPS)

WeeTect UV Resistant Polycarbonate Sheets (WUVRPS) Technical Data:

Item	Property	Test Method	U/M	Value
Optical	UV Filter Rate (UV380)	ASTM D 1003	%	>99
	UV Filter Rate (UV400)	ASTM D 1003	%	>99
	Haze	ASTM D 1003	%	0.2
	Light Transmission	ASTM D 1003	%	90
Inflammability	FR Grade	UL94	Grade	V2
Mechanical	Hardness 1KG	ANSI Z87.1 2010	H	2B~B
	Surface Tension	ANSI Z87.1 2010	dyn/cm	>38
	High velocity impact	ISO 527	ft/s	>300
	Cross-Cut tape test	ISO 527	NA	Pass
	Elongation, yield	ISO 527	%	7
	Elongation, break	ISO 527	%	110
	Tensile stress, yield	ISO 527	Mpa	60
	Tensile modulus MPa	ISO 527	Mpa	2400
	Flexural strength, yield	ISO 178	Mpa	91
	Flexural modulus	ISO 178	Mpa	2500
	Izod notched impact, 20 °C	ANSI Z87.1 2010	KJ/m ²	65
Physical	Gravity	ISO 1183	g/cm ³	1.2
	Water absorption, 24 hours	ANSI Z87.1 2010	%	0.15
Electrical	Permittivity	IEC60250	-	3
	Breakdown Voltage	IEC60243	KV/mm	30
	Arc Resistance	IEC60112	-	250
	Surface Resistivity	IEC60093	Ω/square	10 ⁺¹⁶
	Volume Resistivity	IEC60093	Ω/cm ³	10 ⁺¹⁷
	CTI	UL94	-	3
Thermal	Mold shrinkage (150°C)	ASTM D1204	%	0.5-0.7
	Thermal expansion	ISO 11359	/ °C	5.8x10 ⁻⁵
	Vicat Softening Temp., Rate B / 120(base sheet)	ISO 11357	°C	156
	Thermal Conductivity	ASTM D5470	W/(m*K)	0.2
	HDT, 0.45 MPa	ISO 11357	°C	153