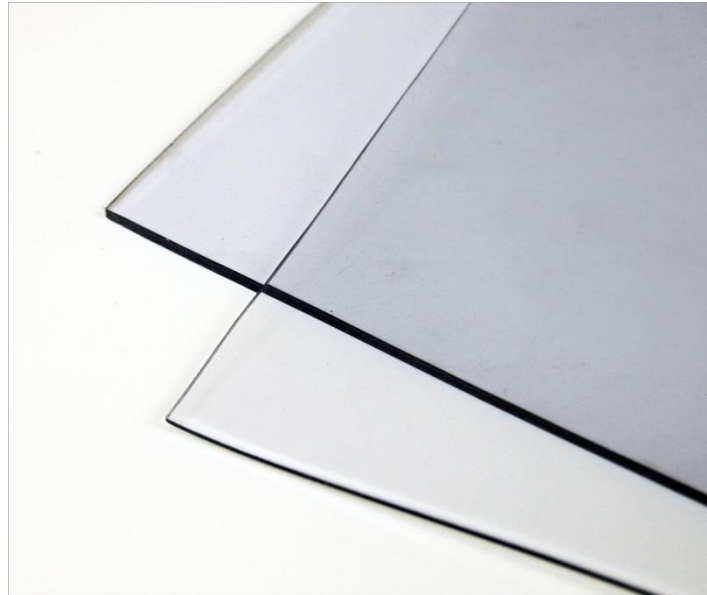


PRODUCT DATASHEET

WeeTect Flame Retardant Polycarbonate Sheet (WFRPS)

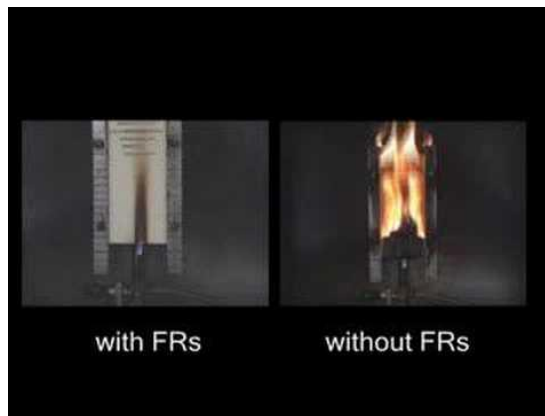


WeeTect Flame Retardant Polycarbonate Sheet (WFRPS) is a co-extruded optical clear flame retardant polycarbonate sheet or polycarbonate film which complies with UL94 V0. It has extremely good high transparency and impact resistance. WeeTect Flame Retardant Polycarbonate Sheet (WFRPS) can be applied to flat or thermoformed aircraft window dust covers, motorcycle windshield, specialty vehicle glazing, specialty equipment window glazing and other transportation, aerospace, electrical/electronic industries.

As a professional plastic coating manufacturer, WeeTect Flame Retardant Polycarbonate Sheet (WFRPS) could offer superior coated layer for anti-fog, anti-scratch, abrasion resistance and UV resistance properties but keep the optical clarity. Compared with the other flame retardant polycarbonate sheet suppliers, WeeTect Flame Retardant Polycarbonate Sheet (WFRPS) 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 Flame Retardant Polycarbonate Sheet (WFRPS)



Advantages:

- UL94 V0, file no. E249605
- Superior optical visibility
- Superior impact resistance
- Abrasion resistant as an option
- Anti-fog Anti-scratch as an option
- Much more cost competitive
- One stop solution provider

PRODUCT DATASHEET

WeeTect Flame Retardant Polycarbonate Sheet (WFRPS)

WeeTect Flame Retardant Polycarbonate Sheet (WFRPS) Options:

Thickness (mm)	Width (mm)	Length (mm)	Remark
0.1	930	500,000	Optical Grade
0.125	930	400,000	Optical Grade
0.175	930	350,000	Optical Grade
0.25	930	300,000	Optical Grade
0.375	930	200,000	Optical Grade
0.43	930	175,000	Optical Grade
0.5	930	150,000	Optical Grade
0.76	930	100,000	Optical Grade
1	930	80,000	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 Flame Retardant Polycarbonate Sheet.

PRODUCT DATASHEET

WeeTect Flame Retardant Polycarbonate Sheet (WFRPS)

WeeTect Flame Retardant Polycarbonate Sheet (WFRPS) Technical Data:

Item	Property	Test Method	U/M	Value
Optical	Haze	ASTM D 1003	%	0.2
	Light Transmission	ASTM D 1003	%	90
Inflammability	FR Grade	UL94	Grade	V0
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	65
	Tensile modulus MPa	ISO 527	Mpa	2200
	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	1.32
	Water absorption, 24 hours	ANSI Z87.1 2010	%	0.15
Electrical	Permittivity	IEC60250	-	3
	Breakdown Voltage	IEC60243	KV/mm	59
	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