

Blend polycarbonate Film (UVTPC-BL)

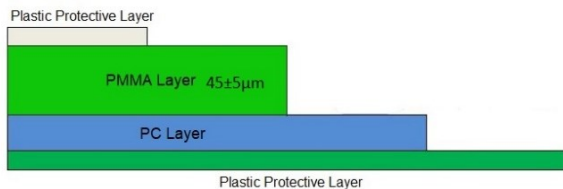
UVTPC-BL is a code of UVPLASTIC blend polycarbonate films, which is composited polycarbonate by PC, PMMA/acrylic, PET, PETG, ABS, ASA, etc.

Why do you need the blend polycarbonate films?

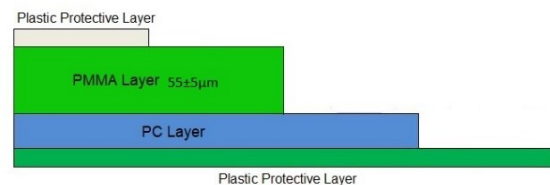
As everybody knows that different materials have different characteristics. For example, PMMA/acrylic has the excellent surface hardness and scratch resistance, but the impact resistance and formability are not good. PC offers outstanding impact resistance printability, formability, and good flame retardant, but surface hardness isn't high without coated layer. Blend polycarbonate film helps to get all the advantages of these materials without coating.

Therefore, they are used for the rear cover of the mobile phone, mobile phone screen, automotive interior, automotive dashboard panel, home appliance panel, etc.

Products Range



UVTPC-BL-A/P-45 Blend Film



UVTPC-BL-A/P-55 Blend Film

Model	Packaged Type	Width	Thickness (mm)
UVTPC-BL-A/P-45	Roll/Sheet	1270mm	0.125, 0.175, 0.25, 0.3, 0.375, 0.5, 0.64, 0.8
UVTPC-BL-A/P-55	Roll/Sheet	1270mm	0.64, 0.8, 1, 2

Physical Properties

Property	Value	Unit	Test Method
Density	1.2	g/cm ³	ISO 1183
Haze	<0.5	%	ASTM D570
Light Transmission	>90	%	ASTM D1003
Tensile Strength	62-66	MPa	ASTM D638
Tensile Modulus	2300	MPa	ASTM D256
Surface tension	≥34	Dyn/cm	
Anti UV	380<10%		
Thermostability	90°C, 1 hour	No change	
Arc Resistivity	250		IEC60112
Surface resistivity	1.00E+16	Ω/square	ASTM D257
Volume resistivity	1.00E+17	Ω-cm	ASTM D257
Pencil hardness/PMMA	H	1000g f	JIS 5600
Pencil hardness/PC	2B	1000g f	JIS 5600
Flammability	HB		UL94

Main Benefits

Excellent printing properties;

High impact resistance;

Outstanding abrasion resistance and flexibility;

Good heat resistance, electrical and mechanical properties, dimension stability;

Great machinability and can be die-cut, drilled, screwed, vacuum formed, thermoformed, molded;

Application

Phone Protective Layer and Cover

