

Kaixin Optical Polycarbonate Film

Product property sheet

Describe

Polycarbonate (PC) film is light and thin, ultra-transparent, clear, has good printing adaptability, and has excellent optical properties. Its light transmittance can reach more than 90%, and its transmittance and reflectivity in the ultraviolet band are very low.

Typical physical properties

Performance	Value	Unit	Standard test
Physical properties			
Density	1.2	g/cm ³	ISO 1183
Haze	<0.5	%	ASTM D1003
Transmittance	91	%	ASTM D1003
Mechanical behavior			
Tensile Strength	60	MPa	ISO 527
Elongation at break	>100	%	ISO 527
Tensile modulus	2300	MPa	ISO 178
Bending strength	91	MPa	ISO 178
Surface Tension	≥34	dyn/cm	Test solution
Electrical properties			
Dielectric constant	3	—	IEC 60250
Withstand voltage value	30	KV/mm	IEC 60243
Arc resistance	250	—	IEC 60112
surface resistivity	1E+16	Ω/square	IEC 60093
Volume resistivity	1E+17	Ω/cm	IEC 60093
Thermal properties			
Thermal expansion coefficient	5.8	x10 ⁻⁵ /°C	ISO 11359
Thermal conductivity	0.2	W/(m*K)	ASTM D5470
Shrinkage (150°C)	0.5~0.7	%	ASTM D1204
glass transition temperature	152	°C	ISO 306
Flammability			
Flammability rating	V-2/VTM-2		E 249605

Note: This test is for reference only and is not an absolute application indicator.

Zhejiang Kaixin Optoelectronics Technology Co., Ltd.

No. 2288, Xiaoyue Street, Shangyu District, Shaoxing City, Zhejiang Province, 312000, China

Email: sales@kaixinfilm.com

Website: <https://www.kaixinfilm.com>