



高强度、高耐候性的原材料，
造就了实心平板轻质高强的特性

Lightweight, high strength

聚碳酸酯实心板是玻璃的良好替代品。该产品重量是同样厚度玻璃重量的一半，同时抗冲击强度为钢化玻璃的30倍。在采光部分尤其是屋顶部分的应用中既具备了极高的安全性同时也提供了优秀的采光效果，并且大大降低了建筑结构的用钢量。而且该产品颜色多样化，能满足不同的建筑外观需要。

Polycarbonate solid sheet is a good substitution for glass with its half weight of glass, 30 times impact resistance of tempered glass. When applied in lighting, especially roof lighting, it both provides excellent security and excellent lighting effect. At the same time, it greatly reduces structure steel volume. PALRAM polycarbonate solid sheet has various colors to meet your different construction outward appearance.

重量是同样厚度
玻璃的50%
Half weight of glass

抗冲击强度: 钢化
玻璃的30倍
30 times impact resistance
of tempered glass

保护: 80μUV层,
抗紫外线
80μUV layer, filter
ultraviolet radiation

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3 Five salient features 三大显著特点



UV Protection
抗紫外线



Resistant to Impact
抗冲击



Light&Durability
轻质耐久

·立体效果好 ·使用温度范围广 ·抗冲击强度高 ·多用途、可成形、可加工
·耐候及抗紫外线性强 ·易于加工和安装

聚碳酸酯普通实心板

General Sheet Polycarbonate solidsheet

您身边的聚碳酸酯板材专家
集成生产制造供应商



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坚固耐用的工程塑料

PC材料是卓越的工程塑料，作为被世界范围内广泛使用的材料，PC有着及其出色的优点，是一种综合性能优良的非晶型热塑性树脂，具有优异的电绝缘性、延伸性、尺寸稳定性及耐化学腐蚀性，较高的强度、耐热性和耐寒性。

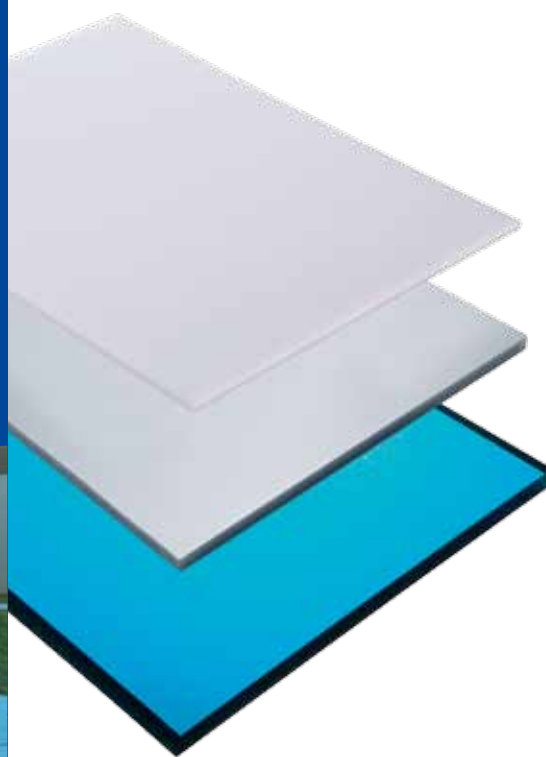
Strengthen & durable
engineering plastics



聚碳酸酯实心板 Polycarbonate Solid Sheet

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属性 Property	检测方法 Method	检测方法 Method	单位 Units	数值 Value
比重 Proportion	ISO 1183		g/cm ³	1.2
吸水性 Heat deflection temperature	ISO 62	24h@23°C	mg/kg	<8
拉伸屈服长度 Tensile strength at yield	ISO 527		Mpa	60
断裂伸长率 Elongation at break	ISO 527		%	90
弹性拉伸模量 Coefficient of linear thermal expansion	ISO 527		Mpa	2,200
强化面层厚度 Tensile strength at yield			mm	7-15
透光率 Elongation at break	ISO 5036		%	>86
折射能力 Practical thermal expansion/contraction	ISO 52305		dpt	<0.1

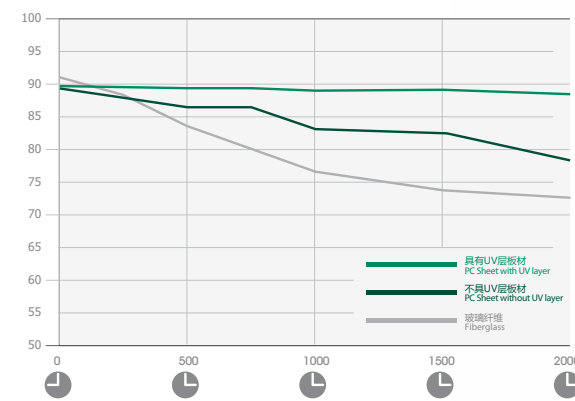


图 2000小时QUV加速老化实验
备注：平均每100小时QUV加速暴露相当于1年的所受到的户外紫外线暴露量。
阳光的暴晒，是加速老化的主要因素之一。具有UV共挤层的板材，在历经2000小时的quv加速老化实验中，其透光率几乎没有变化，而不具UV共挤层的板材和玻璃纤维的透光率下降非常明显。

2000 Hours QUV Test Results
100 hours QUV accelerated exposure equals 1 year outdoor UV exposure.
As the graph shows, there was little change with the light transmission of PC sheet with UV layer after 2000 hours QUV test. At the same time, the light transmission of other sheets deteriorated obviously.

UV共挤层抗老化

10 years warranty

实心板材可分为透明、半透明和不透明，颜色有多种可以选择。表面分为平整和浮雕状颗粒两种类型。依据色彩以及厚度的不同，透光率大约在8%到86%之间可供选择。

Solid plate can be divided into a transparent, translucent and opaque, a variety of colors you can choose. Surface is divided into two types, flat and relief-like particles. Light transmission between 8% to 86% according to the different colors and thickness to choose from.

产品规格 Product Specification

厚度(mm) Thickness	标准宽度 Standard Width(mm)	标准长度 Standard Length(mm)	比重 Specific Gravity	标准颜色 Standard Colors
1.5	1200-2100	6000mm 4mm以下无限制 4mm> no limited	1.2	透明clear, 湖蓝Green-blue, 蓝色blue, 绿色green, 茶色brown, 乳白opal
1.8				
2				
2.5				
3				
4				
5				
6				
8				
10				
12				

大批量用户,颜色和规格可定做 For large orders, color and size can be custom-made.

隔音效果(dB) Effect of Soundproof

厚度 (mm) Thickness	声音降低值 (dB) soundproof index
2	23
3	25
4	27
5	28
6	29
8	31
10	32
12	34

以质量求生存 以规模求发展

专心、专一、专业做好聚碳酸酯板材的研发，共铸阳光产业的辉煌。

阳光板又称中空板，具有轻质高强的特性和良好的保温隔热性能。双层矩形是阳光板最为常用的一种板型，透光率出众，安装方便，易于加工，常用于普通的建筑采光需要，如厂房采光顶、温室大棚、通道停车棚等。正兴先进的UV共挤技术，保证了历新阳光板极强的抗紫外线性能，能够在室外条件下满足10年品质保证。历新双层矩形板有4mm、6mm、8mm、10mm多种厚度可以选择。

Hollow sheet provides an option of construction application other than solid sheet when lighter weight, superior thermal insulation and excellent impact strength are required. As a general type of hollow sheet, Lixin twin-wall sheet is widely used for roofing, glazing, skylights, carports and greenhouses. With advanced UV coextrusion technology, Gensin supplies 10 years warranty for all Lixin sheets. Lixin twin-wall sheet has different options between the 4mm to 10mm thickness.