

5 Five salient features 大显著特点



·相对于矩形结构刚度更好 ·改良的机械性能 ·承受局部压力性能更好 ·支撑骨架间距可以增加 ·抗冲击强度相当高 ·透光率很高 ·耐候及抗紫外线性强 ·透高隔热性能, 超强节能 ·易于加工和安装

表面可添加uv、光控、防滴露等功能涂层, 满足不同需求!

Surface can be added to the uv light control, anti-Dettol functional coatings to meet different needs.

强力的支撑结构, 令板材持久坚固, 有效节能, 降低采光结构的自重。

Strong support structure, so that plate lasting sturdy, effective energy conservation to reduce the weight of the lighting structure.



多层结构中空板是融合了普通矩形中空板以及多层中空板的优点: 既加强了内部支撑, 保证了较高的承压能力以及整体稳定性; 同时又加入了蜂窝多层结构, 显著得提升了保温隔热效果, 同时更优越的壁厚使得产品抗冲击及承载力更强。

Multi-layer structure sheet combines the advantages of ordinary rectangular and hollow board, as well as multi-layer insulating board: not only strengthened the internal support to ensure a higher bearing capacity and overall stability; while adding cellular layer structure, significantly have to enhance the thermal insulation effect, while the superior wall thickness makes more product impact and carrying capacity.

卓越的壁厚增强了抗冲击及承载力, 提升了保温隔热效果

Superior wall thickness

典型物理特性 Physical Property

特性 Feature	方法 Method	测试条件 Condition	单位 Unit	数值 Value
密度	(D-792)		g/cm ³	1.2
热变形温度	(D-648)	Load:82MP	°C	130
短期服务温度范围			°C	-50 to +120
长期服务温度范围			°C	-50 to +100
线膨胀系数	(D-696)		10 ⁻⁵ /°C	6.5
屈服拉伸强度	(D-638)	10 mm /min	MPa	62
断裂延伸率	(D-638)	10 mm /min	%	>80
落锤冲击	(ISO 6603/1)		J	4-400
热胀冷缩范围			mm/m	3

聚碳酸酯多层中空板

Fortified Sheet Polycarbonate multiwall sheet

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集成生产制造供应商



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多层中空板 Fortified multiwall sheet

多层结构中空板是在普通中空板材矩形截面的基础上增加斜向支撑，从而提升板材整体承压能力的一种加强型板材。该板材能支持更大的檩条间距，最大程度的减少型材的使用量，使得设计师在选材时能有更多的发挥空间。同时板材增加的斜向支撑对中空板材横向的稳定性还起到了积极作用，使得板材的整体结构更加合理。多层结构形成空腔增加了保温隔热性能，相对于相同厚度普通板材更低的U值。



Fortified Multiwall sheet is a reinforced pressure sheet, in general based on the rectangular sheet inclined to increase the Oblique support so as to enhance the overall capacity. The sheet can support greater purlin spacing, the maximum reduction of profiles, allowing the designer can have more space to play in the selection. At the same time, the diagonal support increased lateral stability of the multi-wall sheet has played a positive role in making the sheet's overall structure is more reasonable. Multi-layer structure formed cavity to increase the thermal insulation performance, compared to the same thickness of ordinary sheet with a lower U-value.

多层结构使得板材具有非常好的保温性能，能减少温度调节能耗。多层板更耐冲击，适合高标准的工程需求。

Polycarbonate Anti-fog Sheet has the multi-wall structure, and it makes the sheet to have the excellent heat insulation effect. It used for different greenhouses, can make UV protection on both sides, and can be simply installed.

多层板产品选型 Multi-wall Sheet Product Selection

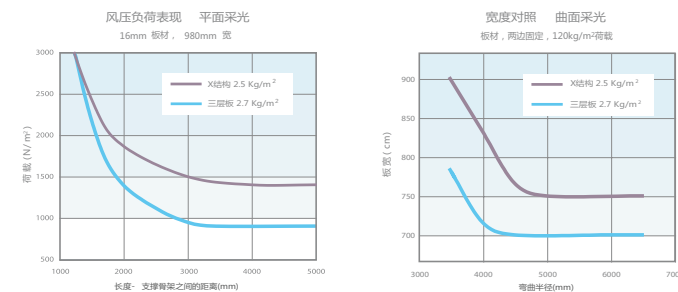
板材层数 Walls	标准厚度(mm) Thickness	标准重量(kg/m ²) Weight	筋距(mm) Rib distance	标准U值(W/m ² K) U-value	UV涂层面 UV Side	透明色透光率(%) LT clear	乳白色透光率(%) LT opal white
2层矩形结构 2-wall R-structure	4	0.85	6	3.96	>50	78	25-55%可调
	4.5	1	6	3.86	>50	78	25-55%可调
	5	1.1	6	3.72	>50	77	25-55%可调
	6	1.3	6	3.56	>50	77	25-55%可调
	8	1.5	10	3.26	>50	76	25-55%可调
4层矩形结构 4-wall R-structure	10	1.7	6	3.02	>50	73	25-55%可调
	8	1.6	16	2.92	>50	72	25-55%可调
	10	1.8	16	2.68	>50	72	25-55%可调
	12	2	16	2.6	>50	71	25-55%可调
	12	2.1	16	2.56	>50	72	25-45%可调
4层蜂窝结构 4-wall H-structure	14	2.4	16	2.42	>50	69	25-45%可调
	16	2.7	16	2.27	>50	68	25-45%可调
	8	2	5	2.42	>50	58	20-40%可调
3/5层X形结构 3/5-layer X structure	10	2.2	5	2.16	>50	57	20-40%可调
	12	2.2	5	2.16	>50	57	20-40%可调
	12	2.5	5	1.98	>50	56	20-40%可调
3/5层X形结构 3/5-layer X structure	10	2	16	2.62	>50	68	20-45%可调
	12	2.1	16	2.6	>50	66	20-45%可调
	14	2.3	16	2.56	>50	65	20-45%可调
	16	2.7	16	2.1	>50	65	20-45%可调

超强的抗紫外线，隔热奇迹！

Superior UV resistance, heat insulation miracle!

多层结构中空板的加强结构，使得设计师在选材时能有更多的发挥空间。同时，板材内部支撑对中空板材横向的稳定性还起到了积极作用，使得板材的整体结构更加合理。多层结构形成空腔增加了保温隔热性能，相对于相同厚度普通板材更低的U值。

Hollow plate of the multi-layer structure to strengthen the structure, making the designer in the selection of more space to play. The same time, the plate internal support, lateral stability of the hollow plate positive role in making the overall structure of the plate is more reasonable. The multi-layer structure formed cavity insulation can lower the U value compared to the same thickness of ordinary sheet.



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Abundant color options, satisfy your desire of beauty.

通过不同色调、透明度的基材层，营造舒适的室内光线氛围！

Made comfortable indoor light atmosphere by different color and light transmission.

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.