

# FOSHAN NATURE DECORATION MATERIALS CO.,LTD

## [产品特征]FEATURES OF PRODUCTS

### 透光性 Light Transmission

透光性能好（透光率高达 90%）。在阳光下曝晒不会产生黄变、雾化、透光不佳。

Fine light transmission (to 90%).no yellow, atomization and poor light transmission will occur on boards exposed under sunshine.

### 防紫外线抗老化 UV-Protection

表面有防紫外线的共挤层，可防止太阳光紫外线引起的树脂疲劳变黄。表面共挤层具有化学键吸收紫外光并转化为可见光。对植物光合作用有良好的稳定效果（极适合保护贵重艺术品及展品，使其不受紫外线破坏。）

With an ultraviolet coextruded film on the sunshine, it can prevent the resin fatigue or yellowing caused by the ultraviolet, and transfers it into the visible light, it has the fine stabilizing effect for the plant photosynthesis (it is extremely applicable for protecting the valuable works of art items on display).

### 耐温性 Weather Ability

在摄氏-40℃—+120℃温度范围内不会引起变形等品质劣化。

No deformation within the temperature of -40℃-+120℃

### 阻燃性 Fire Retardancy

据国家 GB8624-97 测试属阻类 B1 级，无火滴、无毒气。



Fire retardant grade B1 decided by the national GB8624-97 test, without fire drop or poisonous gas.

#### 抗冲击 Impact resistance

PC 耐力板的冲击强度是普通玻璃的 250-300 倍。

Because the impact strength of pc sheet is 250-300 times of the ordinary glass.

#### 隔音性 Sound insulation

隔音效果佳，在国际上是高速公路隔音屏障的首选材料。

With good sound insulation effect, it is the best materials recognized worldwide for sound insulation on expressways.

#### 轻便性 Portability

重量轻，便于搬运，钻孔。截断安装不易断裂，而且可直接冷弯，施工简单便加工良好。

Light in weight, it is easy to handle and make drills, the sheet may not break easily during the installation by cutting, and can be cold bent directly, it is convenient for construction and processing.

特性 (Characteristics)	单位 (unit)	指标值 (date)
比重(specific Gravity)	g/cm <sup>2</sup>	1.2
透光率 (Light Transmission)	%	90



冲击强度(impact Strength)	J/M	850
弯曲强度(Flexural Strength)	N/mm <sup>2</sup>	100
拉伸强度(Tensile Strength)	N/mm <sup>2</sup>	≥60
弹性模量(Modulus of Elasticity)	Mpa	2400
断裂拉伸应力(Tensile Stress at Break)	Mpa	≥65
断裂拉伸率 (Elongation at Break)	%	>100
比热(Specific Heat)	KJ/Kg.K	1.17
导热系数 (Heat Conductivity)	W/m.K	0.2
热变形温度(Heat Deflection Temperature)	℃	135
热膨胀系数(Coefficient of Thermal Expansion)	mm/m. ℃	0.067
正常使用温度(Range of Temperature)	℃	-40~+120
隔音效果(Effect of Soundproof)	4.5mm 耐力板	衰减 35 分贝

