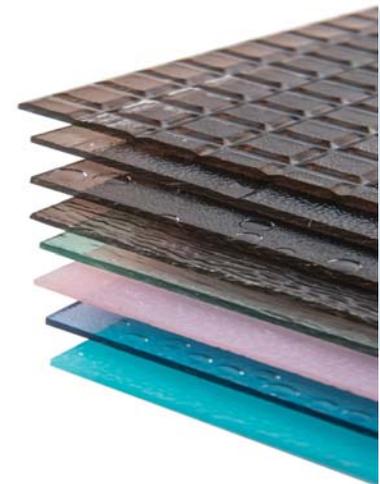


POLYSTRENE MATERIAL FATCS

Designing for Quality

One of the major benefits associated with this material is its excellent insulating properties. These sheets offer a much higher level of thermal resistance than traditional fiberglass or cellulose insulation products, which helps to improve energy efficiency and keep heating and cooling costs in check. Despite their structural strength and durability, these panels are also easy to cut, shape or form using only basic tools and equipment.



Polystyrene



SGS TAIWAN LTD

(SGS is the world's leading inspection, verification, testing and certification company)
Report No: HV-2002-3-0020

TEST RESULT (PATTERNED PS SHEETS)

Property	Test Method	Test Result
Tensile Strength (MPA)	ASTM D638	30.7
Elongation at rupture (%)	ASTM D638	4.20
SPecific Gravity (gm/cm)	ASTM D792	1.05
Haze	ASTM D1003	6.35
Shrinkage (%)	ASTM D4802	2.49
Water Absorption (5)(23°C, 24hr)	ASTM D570	0.01
Heat Distortion Temperature (°C)	ASTM D648	93.40
Thermal Stability	ASTM D4802	Bubbies or Blisters
Impact Strength Izcd (J/m)	ASTM D256	13.10
Light Transmittance (%) (λ:400-700m)	ASTM D1003	89.20